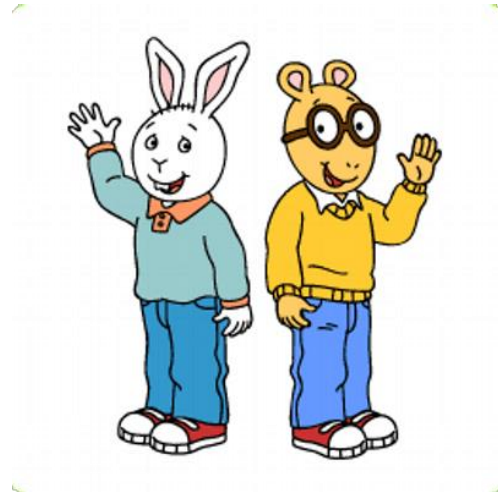
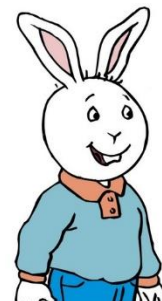
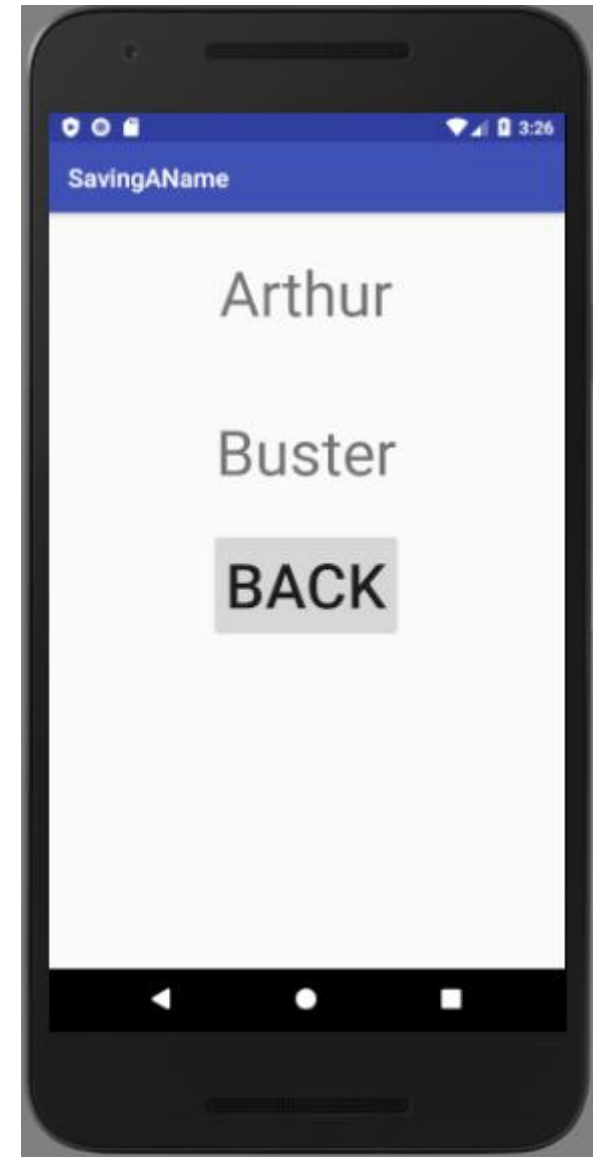
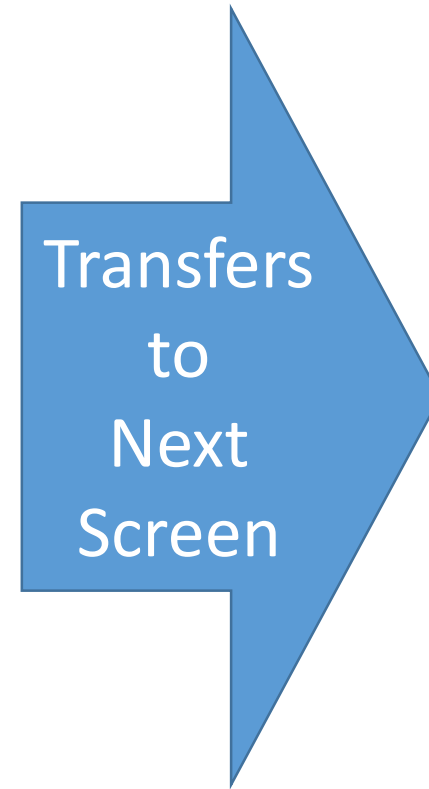
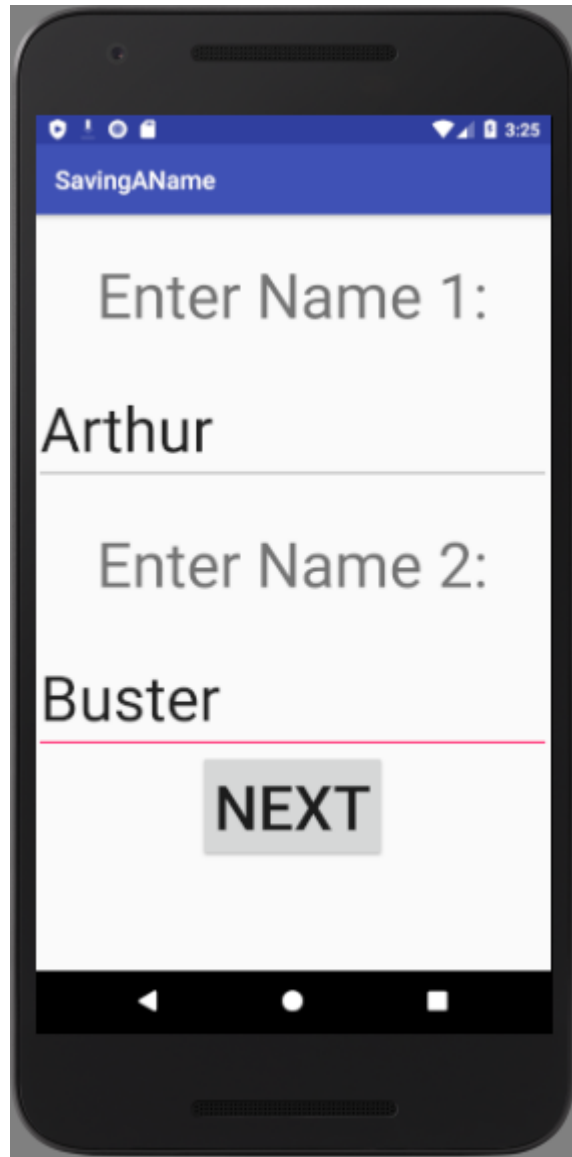
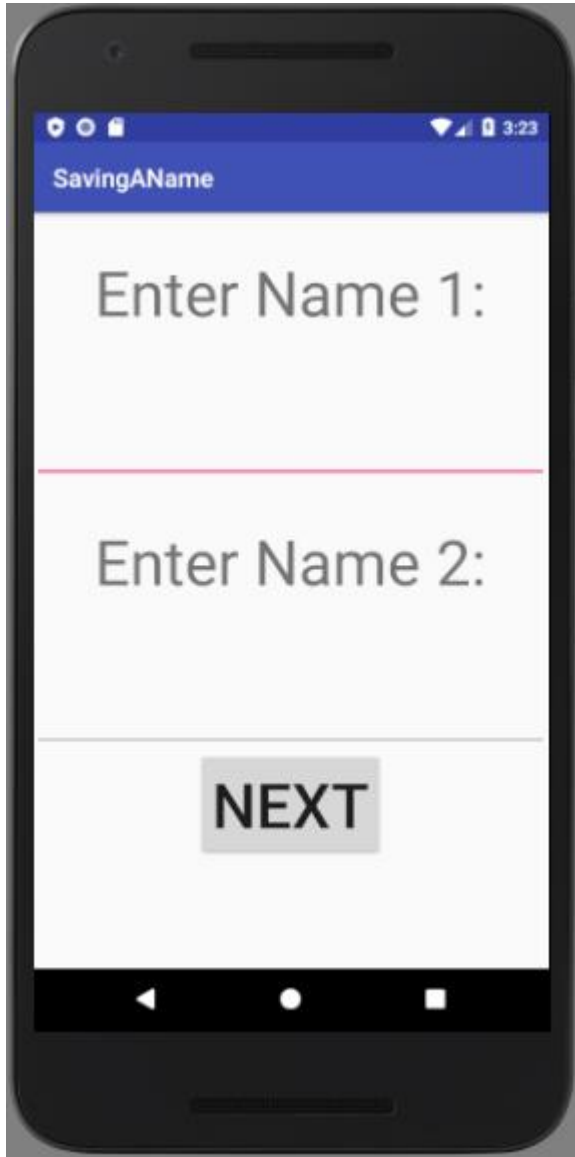


Saving Names

As you move between screens





```

public void next(View view) {
    //Get the names out of the EditTexts
    EditText name1 = (EditText) findViewById(R.id.name1);
    EditText name2 = (EditText) findViewById(R.id.name2);
    String n1 = name1.getText().toString();
    String n2 = name2.getText().toString();

    //Print them out to a file.
    try {
        FileOutputStream out = openFileOutput("names.txt", Activity.MODE_PRIVATE);
        //Print out the length of name 1
        out.write(n1.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n1.length(); i++) {
            out.write((int) (n1.charAt(i)));
        }

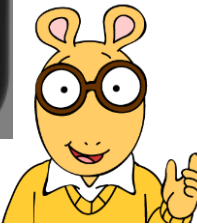
        //Print out the length of name 2
        out.write(n2.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n2.length(); i++) {
            out.write((int) (n2.charAt(i)));
        }

        out.flush();
        out.close();
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    } catch (IOException e) {
        e.printStackTrace();
    }

    //Start the new screen
    Intent i = new Intent(this, Main2Activity.class);
    startActivity(i);
}

```

The Code in
the Next
Button.



```

public void next(View view) {
    //Get the names out of the EditTexts
    EditText name1 = (EditText) findViewById(R.id.name1);
    EditText name2 = (EditText) findViewById(R.id.name2);
    String n1 = name1.getText().toString();
    String n2 = name2.getText().toString();

    //Print them out to a file.
    try {
        FileOutputStream out = openFileOutput("names.txt", Activity.MODE_PRIVATE);

        //Print out the length of name 1
        out.write(n1.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n1.length(); i++) {
            out.write((int) (n1.charAt(i)));
        }

        //Print out the length of name 2
        out.write(n2.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n2.length(); i++) {
            out.write((int) (n2.charAt(i)));
        }

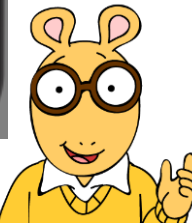
        out.flush();
        out.close();
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    } catch (IOException e) {
        e.printStackTrace();
    }

    //Start the new screen
    Intent i = new Intent(this, Main2Activity.class);
    startActivity(i);
}

```

Grabs Arthur
and Buster

The Code in
the Next
Button.



```

public void next(View view) {
    //Get the names out of the EditTexts
    EditText name1 = (EditText) findViewById(R.id.name1);
    EditText name2 = (EditText) findViewById(R.id.name2);
    String n1 = name1.getText().toString();
    String n2 = name2.getText().toString();

    //Print them out to a file.
    try {
        FileOutputStream out = openFileOutput("names.txt", Activity.MODE_PRIVATE);

        //Print out the length of name 1
        out.write(n1.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n1.length(); i++) {
            out.write((int) (n1.charAt(i)));
        }

        //Print out the length of name 2
        out.write(n2.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n2.length(); i++) {
            out.write((int) (n2.charAt(i)));
        }

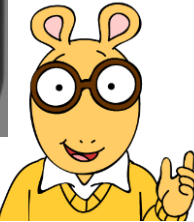
        out.flush();
        out.close();
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    } catch (IOException e) {
        e.printStackTrace();
    }

    //Start the new screen
    Intent i = new Intent(this, Main2Activity.class);
    startActivity(i);
}

```

Opens a file
called
names.txt to
save things in.

The Code in
the Next
Button.



```

public void next(View view) {
    //Get the names out of the EditTexts
    EditText name1 = (EditText) findViewById(R.id.name1);
    EditText name2 = (EditText) findViewById(R.id.name2);
    String n1 = name1.getText().toString();
    String n2 = name2.getText().toString();

    //Print them out to a file.
    try {
        FileOutputStream out = openFileOutput("names.txt", Context.MODE_PRIVATE);
        //Print out the length of name 1
        out.write(n1.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n1.length(); i++) {
            out.write((int) (n1.charAt(i)));
        }

        //Print out the length of name 2
        out.write(n2.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n2.length(); i++) {
            out.write((int) (n2.charAt(i)));
        }

        out.flush();
        out.close();
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    } catch (IOException e) {
        e.printStackTrace();
    }

    //Start the new screen
    Intent i = new Intent(this, Main2Activity.class);
    startActivity(i);
}

```

Prints to File:

6

The length of
Arthur

Prints to
File:

65

114

116

104

117

114

A

r

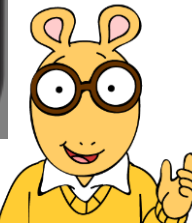
t

h

u

r

The Code in
the Next
Button.



```

public void next(View view) {
    //Get the names out of the EditTexts
    EditText name1 = (EditText) findViewById(R.id.name1);
    EditText name2 = (EditText) findViewById(R.id.name2);
    String n1 = name1.getText().toString();
    String n2 = name2.getText().toString();

    //Print them out to a file.
    try {
        FileOutputStream out = openFileOutput("names.txt", Activity.MODE_PRIVATE);

        //Print out the length of name 1
        out.write(n1.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n1.length(); i++) {
            out.write((int) (n1.charAt(i)));
        }

        //Print out the length of name 2
        out.write(n2.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n2.length(); i++) {
            out.write((int) (n2.charAt(i)));
        }

        out.flush();
        out.close();
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    } catch (IOException e) {
        e.printStackTrace();
    }

    //Start the new screen
    Intent i = new Intent(this, Main2Activity.class);
    startActivity(i);
}

```

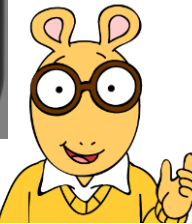
Prints to File:
6

The length of
Buster

Prints to
File:
66
117
115
116
101
114

B
u
s
t
e
r

The Code in
the Next
Button.



```

public void next(View view) {
    //Get the names out of the EditTexts
    EditText name1 = (EditText) findViewById(R.id.name1);
    EditText name2 = (EditText) findViewById(R.id.name2);
    String n1 = name1.getText().toString();
    String n2 = name2.getText().toString();

    //Print them out to a file.
    try {
        FileOutputStream out = openFileOutput("names.txt", Activity.MODE_PRIVATE);

        //Print out the length of name 1
        out.write(n1.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n1.length(); i++) {
            out.write((int) (n1.charAt(i)));
        }

        //Print out the length of name 2
        out.write(n2.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n2.length(); i++) {
            out.write((int) (n2.charAt(i)));
        }

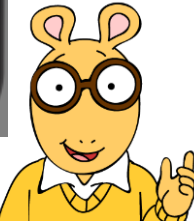
        out.flush();
        out.close();
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    } catch (IOException e) {
        e.printStackTrace();
    }

    //Start the new screen
    Intent i = new Intent(this, Main2Activity.class);
    startActivity(i);
}

```

Some file
processing stuff

The Code in
the Next
Button.



```

public void next(View view) {
    //Get the names out of the EditTexts
    EditText name1 = (EditText) findViewById(R.id.name1);
    EditText name2 = (EditText) findViewById(R.id.name2);
    String n1 = name1.getText().toString();
    String n2 = name2.getText().toString();

    //Print them out to a file.
    try {
        FileOutputStream out = openFileOutput("names.txt", Activity.MODE_PRIVATE);

        //Print out the length of name 1
        out.write(n1.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n1.length(); i++) {
            out.write((int) (n1.charAt(i)));
        }

        //Print out the length of name 2
        out.write(n2.length());
        //Print out each ASCII letter in the name
        for (int i = 0; i < n2.length(); i++) {
            out.write((int) (n2.charAt(i)));
        }

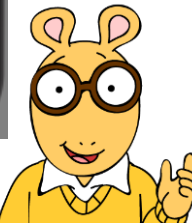
        out.flush();
        out.close();
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    } catch (IOException e) {
        e.printStackTrace();
    }

    //Start the new screen
    Intent i = new Intent(this, Main2Activity.class);
    startActivity(i);
}

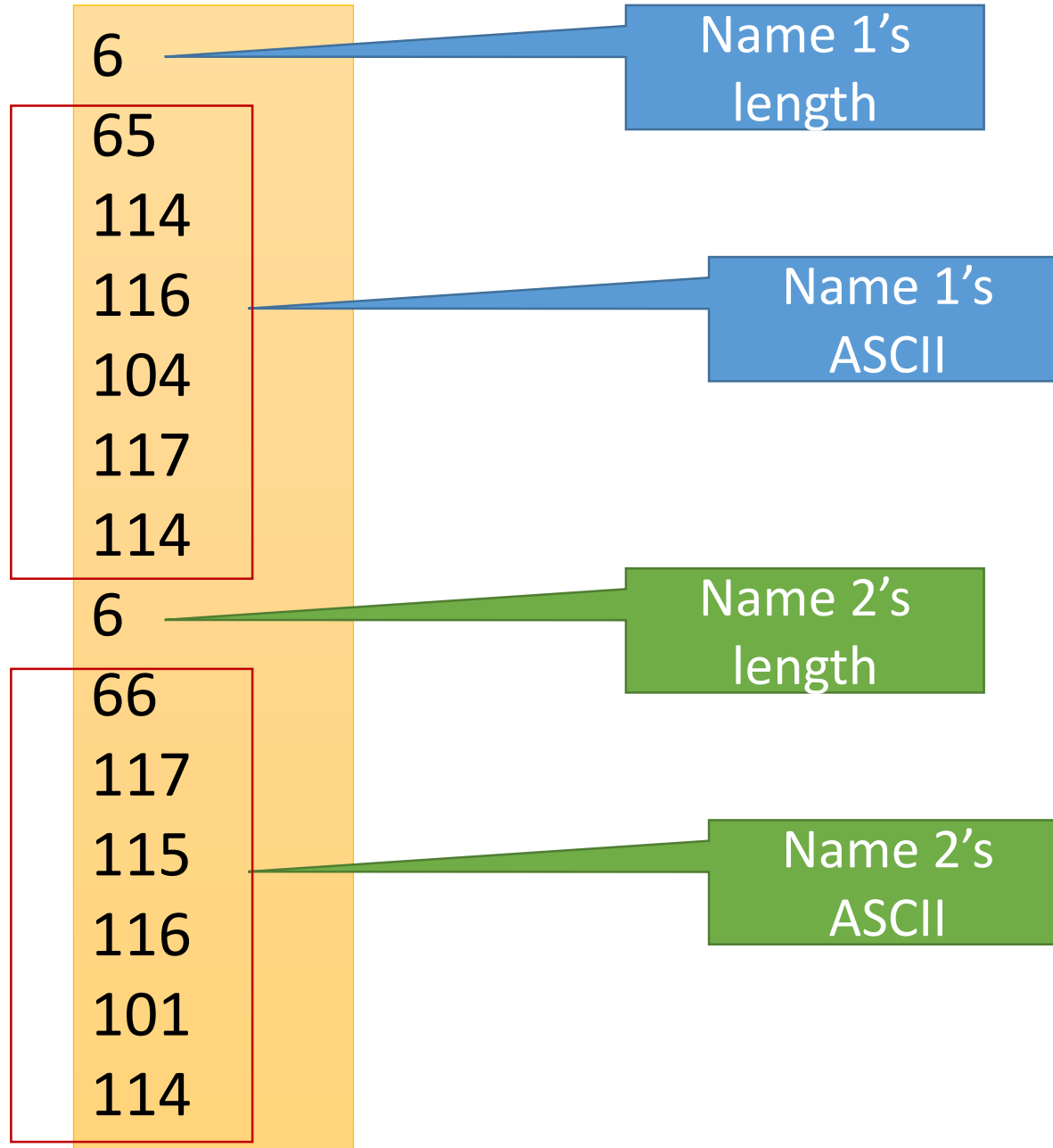
```

Move to the new screen.

The Code in the Next Button.



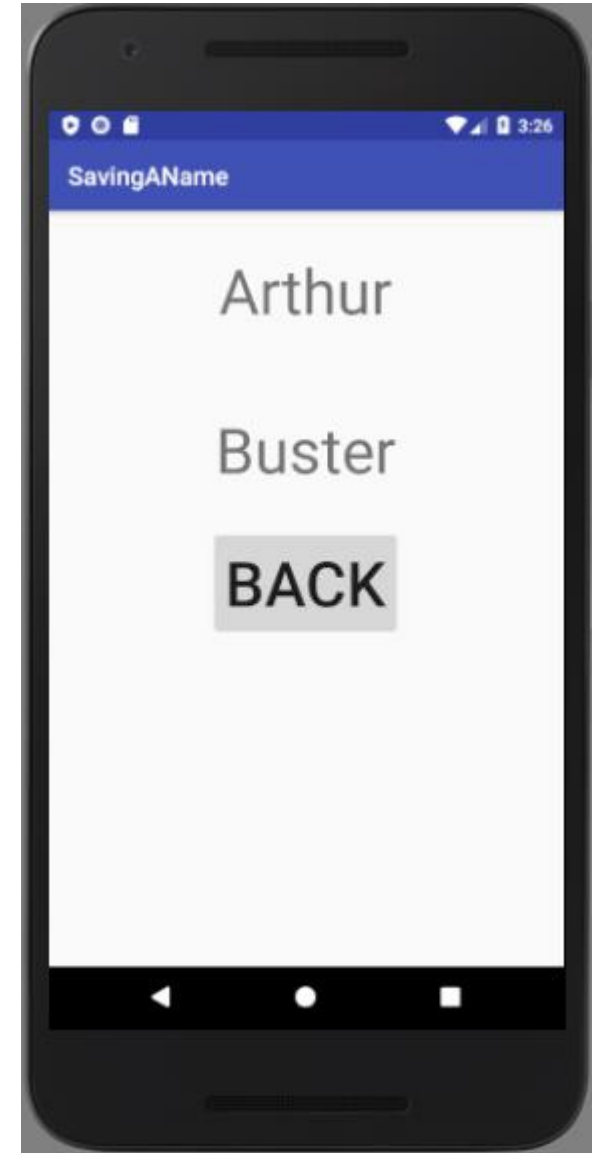
names.txt
now holds
this:



@Override

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main2);  
  
    try {  
        FileInputStream in = openFileInput("names.txt");  
        String display="";  
  
        //How long is the first name?  
        int nameLength = in.read();  
        //Read in that many ints, convert to chars  
        for(int i=0; i<nameLength; i++) {  
            int data = in.read();  
            char letter = (char) data;  
            display+=letter;  
        }  
        //Display the first name  
        TextView name1 = (TextView) findViewById(R.id.name1);  
        name1.setText(display);  
  
        //How long is the second name?  
        nameLength = in.read();  
        display="";  
        //Read in that many ints, convert to chars  
        for(int i=0; i<nameLength; i++) {  
            int data = in.read();  
            char letter = (char) data;  
            display+=letter;  
        }  
        //Display the second name  
        TextView name2 = (TextView) findViewById(R.id.name2);  
        name2.setText(display);  
  
        in.close();  
    } catch (FileNotFoundException e) {  
        e.printStackTrace();  
    } catch (IOException e) {  
        e.printStackTrace();  
    }  
}
```

Screen 2's Code



@Override

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main2);

    try {
        FileInputStream in = openFileInput("names.txt");
        String display="";

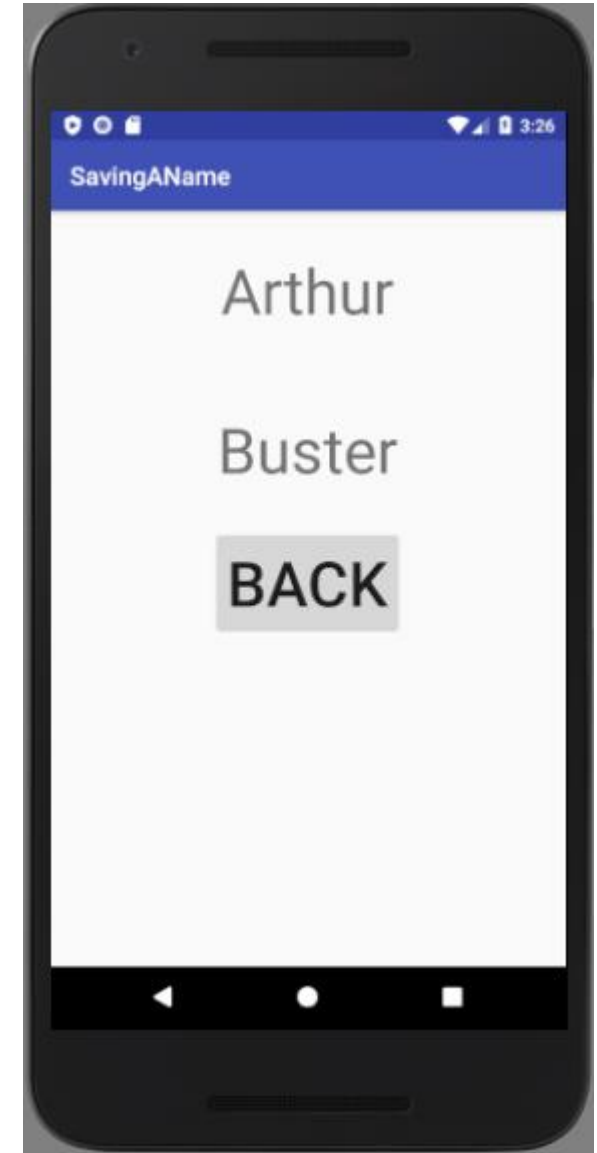
        //How long is the first name?
        int nameLength = in.read();
        //Read in that many ints, convert to chars
        for(int i=0; i<nameLength; i++) {
            int data = in.read();
            char letter = (char) data;
            display+=letter;
        }
        //Display the first name
        TextView name1 = (TextView) findViewById(R.id.name1);
        name1.setText(display);

        //How long is the second name?
        nameLength = in.read();
        display="";
        //Read in that many ints, convert to chars
        for(int i=0; i<nameLength; i++) {
            int data = in.read();
            char letter = (char) data;
            display+=letter;
        }
        //Display the second name
        TextView name2 = (TextView) findViewById(R.id.name2);
        name2.setText(display);

        in.close();
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    } catch (IOException e) {
        e.printStackTrace();
    }
}
```

Yep, we are adding
to the forbidden
method

Screen 2's Code



@Override

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main2);
```

```
try {  
    FileInputStream in = openFileInput("names.txt");  
    String display="";  
    //How long is the first name?  
    int nameLength = in.read();  
    //Read in that many ints, convert to chars  
    for(int i=0; i<nameLength; i++) {  
        int data = in.read();  
        char letter = (char) data;  
        display+=letter;  
    }  
    //Display the first name  
    TextView name1 = (TextView) findViewById(R.id.name1);  
    name1.setText(display);
```

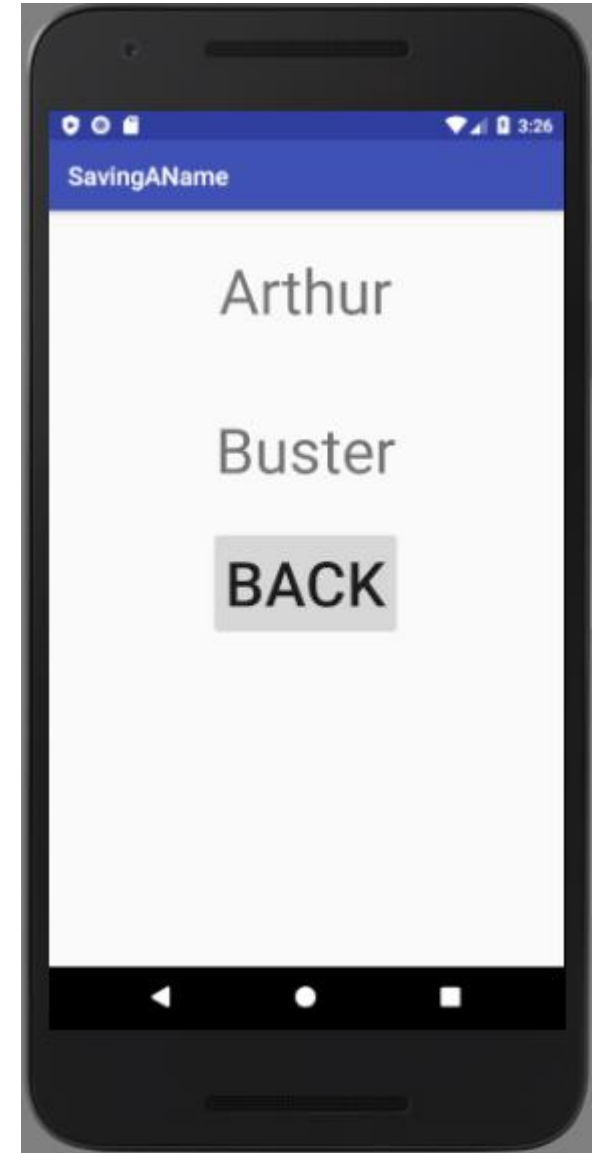
```
    //How long is the second name?  
    nameLength = in.read();  
    display="";  
    //Read in that many ints, convert to chars  
    for(int i=0; i<nameLength; i++) {  
        int data = in.read();  
        char letter = (char) data;  
        display+=letter;  
    }  
    //Display the second name  
    TextView name2 = (TextView) findViewById(R.id.name2);  
    name2.setText(display);
```

```
    in.close();  
} catch (FileNotFoundException e) {  
    e.printStackTrace();  
} catch (IOException e) {  
    e.printStackTrace();  
}
```

```
}
```

Open up names.txt

Screen 2's Code



@Override

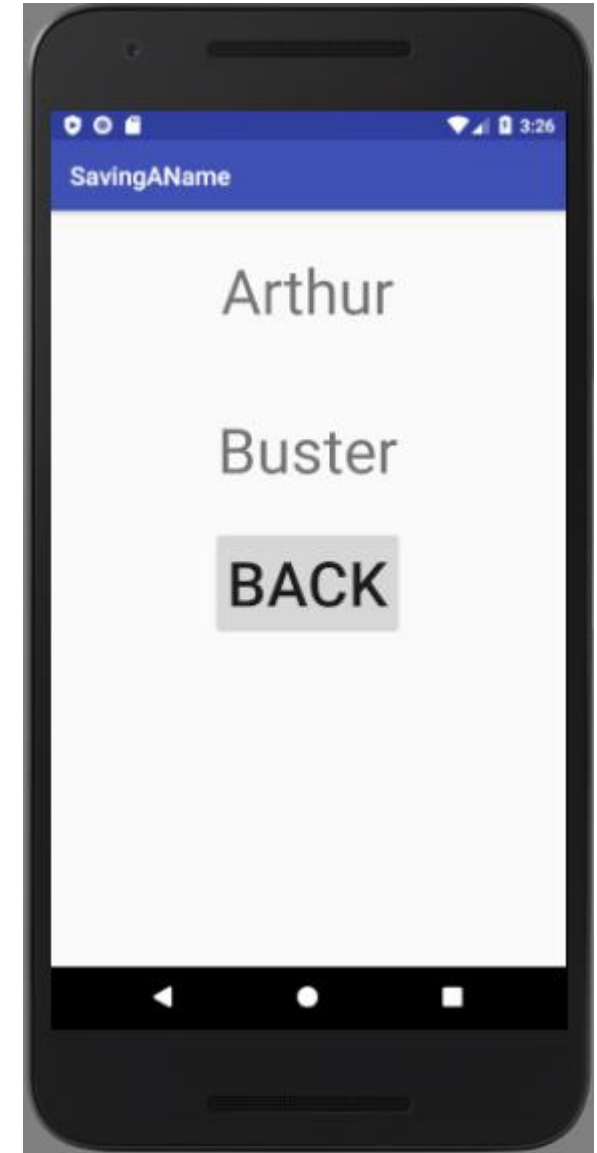
```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main2);  
  
    try {  
        FileInputStream in = openFileInput("names.txt");  
        String display="";  
        //How long is the first name?  
        int nameLength = in.read();  
        //Read in that many ints, convert to chars  
        for(int i=0; i<nameLength; i++) {  
            int data = in.read();  
            char letter = (char) data;  
            display+=letter;  
        }  
        //Display the first name  
        TextView name1 = (TextView) findViewById(R.id.name1);  
        name1.setText(display);  
  
        //How long is the second name?  
        nameLength = in.read();  
        display="";  
        //Read in that many ints, convert to chars  
        for(int i=0; i<nameLength; i++) {  
            int data = in.read();  
            char letter = (char) data;  
            display+=letter;  
        }  
        //Display the second name  
        TextView name2 = (TextView) findViewById(R.id.name2);  
        name2.setText(display);  
  
        in.close();  
    } catch (FileNotFoundException e) {  
        e.printStackTrace();  
    } catch (IOException e) {  
        e.printStackTrace();  
    }  
}
```

Read in the first
name length

Read in each
number, convert it to
a char and add it to a
String

Print the
name to the
screen.

Screen 2's Code



@Override

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main2);  
  
    try {  
        FileInputStream in = openFileInput("names.txt");  
        String display="";  
  
        //How long is the first name?  
        int nameLength = in.read();  
        //Read in that many ints, convert to chars  
        for(int i=0; i<nameLength; i++) {  
            int data = in.read();  
            char letter = (char) data;  
            display+=letter;  
        }  
        //Display the first name  
        TextView name1 = (TextView) findViewById(R.id.name1);  
        name1.setText(display);  
  
        //How long is the second name?  
        nameLength = in.read();  
        display="";  
        //Read in that many ints, convert to chars  
        for(int i=0; i<nameLength; i++) {  
            int data = in.read();  
            char letter = (char) data;  
            display+=letter;  
        }  
        //Display the second name  
        TextView name2 = (TextView) findViewById(R.id.name2);  
        name2.setText(display);  
  
        in.close();  
    } catch (FileNotFoundException e) {  
        e.printStackTrace();  
    } catch (IOException e) {  
        e.printStackTrace();  
    }  
}
```

Read in the second
name length

Read in each
number, convert it to
a char and add it to a
String

Print the
name to the
screen.

Screen 2's Code

