

Saving Names

Uses Intents, Files, ASCII

Screen 1:

```
public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    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);

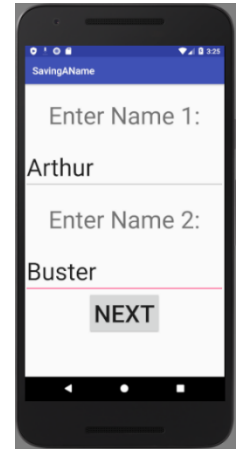
        String n1 = name1.getText().toString();
        String n2 = name2.getText().toString();

        //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);
    }
}
```



Screen 2:

```
public class Main2Activity extends AppCompatActivity {

    @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();
        }
    }

    public void back(View view){
        //Start the new screen
        Intent i = new Intent(this, MainActivity.class);
        startActivity(i);
    }
}
```

