

# Date Manipulation

One of the problems with date entry is that users can enter a date in many different formats. For example, these are all valid date formats:

- 8/10/2017
- 2017/10/8
- Oct 8, 2017
- October 8, 2017
- 8 10 2017
- 08102017



## To complete:

1. Get the date from the user. Our program will **only** accept these formats:
  - D/M/YYYY – 8/4/2015 which is April 8, 2015
  - D/MM/YYYY – 5/12/1995 which is December 5, 1995
  - DD/MM/YYYY – 24/10/2004 which is October 24, 2004
  - DD/M/YYYY – 12/11/1645 which is November 12, 1645
2. Any other date format will produce an error.
3. If a valid date format is entered, the pieces (day, month, year) should be pulled out and printed on the screen separately.

## Sample Output:

```
What is the date? 2004
Not valid.
Another (y/n)? y
```

```
What is the date? 24/10/2004
Day: 24
Month: 10
Year: 2004
Another (y/n)? n
```

## Starter code:

```
public class DateManipulate
{
    public static void main (String args[])
    {
        new DateManipulate ();
    }

    public DateManipulate ()
    {
        String continu = "y";
        while (continu.equalsIgnoreCase ("y"))
        {
            //enter code to check date here

            continu = IO.inputString ("Another (y/n)? ");
        }
    }
}
```