

Day of the Week

- The user enters a day of the week.
- Their input is sent as a parameter to a method. The method returns a specific kind of information.
- The program then displays the method's information.

(A) Planet Names

Diana as the Moon for Monday
Mars for Tuesday
Mercury for Wednesday
Jupiter for Thursday
Venus for Friday
Saturn for Saturday
Apollo as the Sun for Sunday

(A) If they can sleep in

Saturday, Can sleep in
Sunday, Can sleep in
Other days, can't sleep in.

(C) Day Names in French

Lundi
Mardi
Mercredi
Jeudi
Vendredi
Samedi
Dimanche

(D) Germanic Day Names

Mani's Day
Tiw's Day
Woden's Day
Thor's Day
Frigga's Day
No Saturday
Sol's Day

(E) ISO Day Numbers

Monday = Day 1
Tuesday = Day 2
Wednesday = Day 3
Thursday = Day 4
Friday = Day 5
Saturday = Day 6
Sunday = Day 7

(F) Birthday

Monday's child is fair of face,
Tuesday's child is full of grace;
Wednesday's child is full of woe,
Thursday's child has far to go;
Friday's child is loving and giving,
Saturday's child works hard for its living;
But the child that is born on the Sabbath day
Is bonny and blithe as all do say.



For example:

Enter day: **Monday**
The Planet: Diana, the Moon
Can't sleep in.
In French: Lundi
Germanic Language: Mani's day
ISO Day #: Day 1
Child: Fair of face

Enter another day of the week? (y/n) **n**
Thanks for entering days!

Starter Code:

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

```

public DayOfWeek ()
{
    char notend = 'y';
    while (notend != 'n')
    {
        String day = IO.inputString ("\nEnter day: ");
        System.out.println ("Planet: " + planet (day));
        //Enter other 5 method calls here

        notend = IO.inputChar ("\nEnter another day of the week? (y/n) ");
    }
    System.out.println ("Thanks for entering days!");
}

public String planet (String d)
{
    if (d.equalsIgnoreCase ("Monday"))
        return "Diana, the Moon";
    else if (d.equalsIgnoreCase ("Tuesday"))
        return "Mars";
    else if (d.equalsIgnoreCase ("Wednesday"))
        return "Mercury";
    else if (d.equalsIgnoreCase ("Thursday"))
        return "Jupiter";
    else if (d.equalsIgnoreCase ("Friday"))
        return "Venus";
    else if (d.equalsIgnoreCase ("Saturday"))
        return "Saturn";
    else if (d.equalsIgnoreCase ("Sunday"))
        return "Apollo, the Sun";
    else
        return "Error, incorrect date";
}

//Make other 5 methods here
}

```