Assignment 2
Hand-in date: Monday 14-09-2015 15:00h

2. 1 Write a program that reads an integer and prints whether it is negative, zero, or positive.

2.2 In a game program, the scores of players A and B are stored in variables **scoreA** and **scoreB**. Assuming that the player with the larger score wins, write an **if/else if/else** sequence that prints out "**A won**", "**B won**", or "**Game tied**".

2.3 Write a program that reads three numbers and prints "**all the same**" if they are all the same, "**all different**" if they are all different, and "**neither**" otherwise.

2.4 Two integers are stored in variables **number1** and **number2**.

(a) Write a Boolean expression that evaluates to **true** if **number1** is greater than 35 or **number2** is greater than 70.

(b) Write a Boolean expression that evaluates to **true** if **number1** is greater than 35 and **number2** is greater than 70.

(c) Write a Boolean expression that evaluates to true if either **number1** is greater than 35 or **number2** is greater than 70, but not both.

2.5 Write a switch statement that displays Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, if **day** is 0, 1, 2, 3, 4, 5, 6, accordingly.

2.6 Write a program that prompts the user to enter an integer for today's day of the week (Sunday is 0, Monday is 1, …, and Saturday is 6). Also prompt the user to enter the number of days after today for a future day and display the future day of the week. Here is a sample run:

```
Enter today's day: 0
Enter the number of days elapsed since today: 31
Today is Sunday and the future day is Wednesday
```

2.7 Suppose you shop for rice in two different packages. You would like to write a program to compare the cost. The program prompts the user to enter the weight and price of each package and displays the one with the best price per weight unit. Here is a sample run:

```
Enter weight and price for package 1: 50 24.59
Enter weight and price for package 2: 25 11.99
Package 2 has a better price
```