1. Write the java statement that assigns 1 to x if y is greater than 0

2. Suppose that score is a variable of type double. Write the java statement that increases the score by 5 marks if score is between 80 and 90

3. Rewrite in Java the following statement without using the NOT (!) operator:

item = !((i<10) | | (v>=50))

4. Write a java statement that prints true if x is an odd number and positive

5. Write a java statement that prints true if both x and y are positive numbers

6. Write a java statement that prints true if x and y have the same sign (-/+)

7. Convert the following switch statement into if-else statements then into if-then statements:

```
String dayString1, dayString2, dayString3;
int day = KB.nextInt();
switch (day) {
        case 1: dayString1 = "Saturday";
        case 2: dayString2 = "Sunday";
        break;
        case 3: dayString3 = "Monday";
        break;
        case 4: dayString1 = "Tuesday";
        case 5: dayString2 = "Wednesday";
        break;
        default: dayString3 = "Invalid day";
        break;
}
```

8. Body Mass Index (BMI) is a measure of health on weight. It can be calculated by taking your weight in kilograms and dividing by the square of your height in meters. Write a program that prompts the user to enter a weight in kilograms and height in meters and displays the BMI. Here is a sample run:

Enter w in kilogram: 70

Enter h in meter: 1.7

BMI=24.221453287197235

9. Write a program that reads the performance level of an employee (between 0 and 100) and his salary. Then it increases the salary by 3% if performance level is grater than or equal to 90. Here are two sample runs:

```
Enter performance level: 50 ↵
Enter base salary: 5000 ↵
Salary is 5000.0
```

```
Enter performance level: 90 ↵
Enter base salary: 10000 ↵
Salary is 10300.0
```