

JAVA - Worksheet 6 – Decisions GB

Create the following programs and send them for correction through MS Teams:

1. Write a program (Positive) that outputs the word 'Positive' if the number entered by the user is larger than or equal to 0. Otherwise the program should output 'Negative'.
2. Write a program (Months) that asks the user to enter a number from 1 to 12 that represents a particular month of the year with 1 being January and 12 being December. The program outputs the number of days in each month. Assume that February has 28 days.
3. Write a program (OddEven) that asks the user to enter a number and the program should output 'Odd' or 'Even' accordingly. (Hint: use '%' operator to find remainder)
4. Write a program (Dice) that generates a random number between 1 and 3 (both included). Then ask the user to try to guess the number generated by the program. If the number is guessed output 'Well Done' otherwise the program should output 'No. Try Again'.
5. Write a program (MathsGrade) that asks the user to enter a student's name and mark obtained in a Maths exam. The program should output the student's name and grade according to the following grade boundaries:

80 < mark <=100	grade A
60 < mark <=80	grade B
40 < mark <=60	grade C
0 < mark <=40	grade F

If the mark is smaller than 0 or greater than 100 the program should inform the user that mark is out of range.