

JAVA - Worksheet 7 – Decisions

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

1. Write a program (CalcChar) which asks the user to enter two integer numbers stored in num1 and num2. Then according to the choice of 'a', 'b', 'c' or 'd' the corresponding answer is displayed (Hint: use Char datatype). The menu should be displayed as shown below:

MENU

Addition	-	Press A
Subtraction	-	Press B
Division	-	Press C
Multiplication	-	Press D

Enter your choice:

In case the user enters a number which is not in the menu, program should output 'Invalid Response'.

2. Write a program (Seasons) which asks the user to enter a number which corresponds to a month and the program displays the corresponding season as shown below:

Winter – December to February
Spring – March to May
Summer – June to August
Autumn – September to November

3. Write a program (Gender) where the user is asked to enter the name and gender (M/F). In case the user is male the program outputs **Mr** and the *name* of the user. In case the user is female, she is asked if she is married or not. If married, the program outputs **Mrs** and *name*. Otherwise the program outputs **Miss** and *name*.
4. Write a program (Gates) that gives the user the output of an AND or OR gate. First user chooses AND or OR gate. Then user enters 2 inputs (1 or 0) and program returns an output accordingly.