**Department of Computer Applications**

**II MCA – 23MX26 Java Programming Lab Practice Test 1**

**SET A**

**Date:19.02.2024 Duration: 120 mins Marks: 25**

1. Develop a Java code to define a set of calendar fields such as YEAR, MONTH and DAY\_OF\_MONTH and so on, and for manipulating the calendar fields to find a Day of given date.

You are given a date. You just need to write the method, which returns the *day* on that date. To simplify your task, we have provided a portion of the code in the editor.

**Example**  
The method should return as the day on that date.



**Function Description**

Complete the *findDay* function below.

*findDay* has the following parameters:

* *int:* month
* *int:* day
* *int:* year

**Returns**

* *string:* the day of the week in capital letters

**Input Format**

A single line of input containing the space separated month, day and year, respectively, in format.

**Sample Input**

08 05 2015

**Sample Output**

WEDNESDAY

**Explanation**

The day on August 5th 2015 was WEDNESDAY.

2.

There are two common systems for measuring temperature. Degrees of Fahrenheit (ºF) are used in the U.S. and some other countries, while degrees of Celsius (ºC) are in use in most European countries and in many countries throughout the world. The freezing point of water is 0 degrees Celsius and 32 degrees Fahrenheit, 10ºC is 50ºF, 20ºC is 68ºF, 30ºC is 86ºF, and so on. You can see that 10 degrees on the Celsius scale corresponds to 18 degrees on the Fahrenheit scale.

Write a program that can convert degrees Fahrenheit to degrees Celsius, or vice versa. Improve your program so that it converts the given numerical value to both Degrees Celsius and to Degrees Fahrenheit. For example, if the user of the program types in 30, your program should say how much 30 ºC is in Degrees Fahrenheit and how much 30 ºF is in Degrees Celsius. Repeat this task using sentinel control loop until user enters ‘N’ to not to continue.