



COMSATS University Islamabad
Department of Computer Science
Programming Fundamentals (CSC103) – BSCS & BSDS-2A
Class Assignment – 4 (CLO-4)

Due Date: January 04, 2023 (11:59 pm)

Total Marks: 3 x 5 = 15

Instructions

Answer to all questions must be submitted in PDF Format.

Answer to all questions should begin on new page.

Assignment document must contain a title page showing Assignment-3, your name and registration number.

Assignment document must also contain JAVA source code along with output.

Solution to JAVA Programming problems must be created in separate .java file (for each question). For example, Question1.java

You must follow proper JAVA naming convention for identifiers and properly document your source code

Combine all your work in one folder. The folder must contain .JAVA source files and a PDF file.

Name of the Assignment document file should be your Registration Number. E.g. FA21BCS01.pdf

Submit your work via MS Teams

Plagiarism: Plagiarism is not allowed. If found plagiarized, zero marks will be awarded in the assignment.



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Question – 1:

Write a Java method as given below to accept day, month and year and check that whether the given date is valid or not

boolean checkDate(int, int, int)

You are required to write necessary test cases to test the above method.

Question – 2:

Write a Java method as given below to accept an integer and check that whether the given number is a perfect number or not.

Boolean isPerfectNumber(int)

You are required to write necessary test cases to test the above method.

Question – 3:

Write a Java method as given below to accept an integer and return the day of the week.

String dayOfTheWeek(int)

You are required to write necessary test cases to test the above method.