**Md. Maruf Rayhan**

**Reg: 232-35-623**

**Id: 0242320005341623**

**Section: 41-J2**

**Assessment – 01**

**Date: 29.08.2024**

**Ques:** ***Write a C program that takes the marks of a student as input and calculates the corresponding grade according to the DIU grading pattern.***

**Code:**

**#*include* <stdio.h>**

**void *calculateGrade*(double marks)**

**{**

***if* (marks >= 80)**

**{**

***printf*("A+\n");**

**}**

***else* *if* (marks >= 75)**

**{**

***printf*("A\n");**

**}**

***else* *if* (marks >= 70)**

**{**

***printf*("A-\n");**

**}**

***else* *if* (marks >= 65)**

**{**

***printf*("B+\n");**

**}**

***else* *if* (marks >= 60)**

**{**

***printf*("B\n");**

**}**

***else* *if* (marks >= 55)**

**{**

***printf*("B-\n");**

**}**

***else* *if* (marks >= 50)**

**{**

***printf*("C+\n");**

**}**

***else* *if* (marks >= 45)**

**{**

***printf*("C\n");**

**}**

***else* *if* (marks >= 40)**

**{**

***printf*("D\n");**

**}**

***else***

**{**

***printf*("F\n");**

**}**

**}**

**int *main*()**

**{**

**int noOfSubjects;**

**double subjectMarks;**

***printf*("Enter the number of subjects: ");**

***scanf*("%d", &noOfSubjects);**

***for* (int i = 0; i < noOfSubjects; i++)**

**{**

***printf*("\n");**

***printf*("Enter the marks of subject %d: ", i + 1);**

***scanf*("%lf", &subjectMarks);**

***printf*("Grade of subject %d is: ", i + 1);**

***calculateGrade*(subjectMarks);**

***printf*("\n");**

**}**

***return* 0;**

**}**

**/\***

***\*Write a C program that takes the marks of a student as input and calculates the corresponding grade according to the DIU grading pattern.***

***Author: Md. Maruf Rayhan :D***

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**Attachments:**



