

Question No-19:

//Program to read the average of a student and allot a grade

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    float m,p,c,tot,avg;
```

```
    m=p=c=tot=avg=0;
```

```
    printf("Enter Maths marks :");
```

```
    scanf("%f",&m);
```

```
    printf("Enter Physics marks :");
```

```
    scanf("%f",&p);
```

```
    printf("Enter Chemistry marks :");
```

```
    scanf("%f",&c);
```

```
    tot=m+p+c;
```

```
    avg=tot/3;
```

```
    printf("\nThe average of the student is %.2f",avg);
```

```
    if(avg>=90)
```

```
        printf("\nGrade :A+");
```

```
    else
```

```
        if(avg>=80&&avg<90)
```

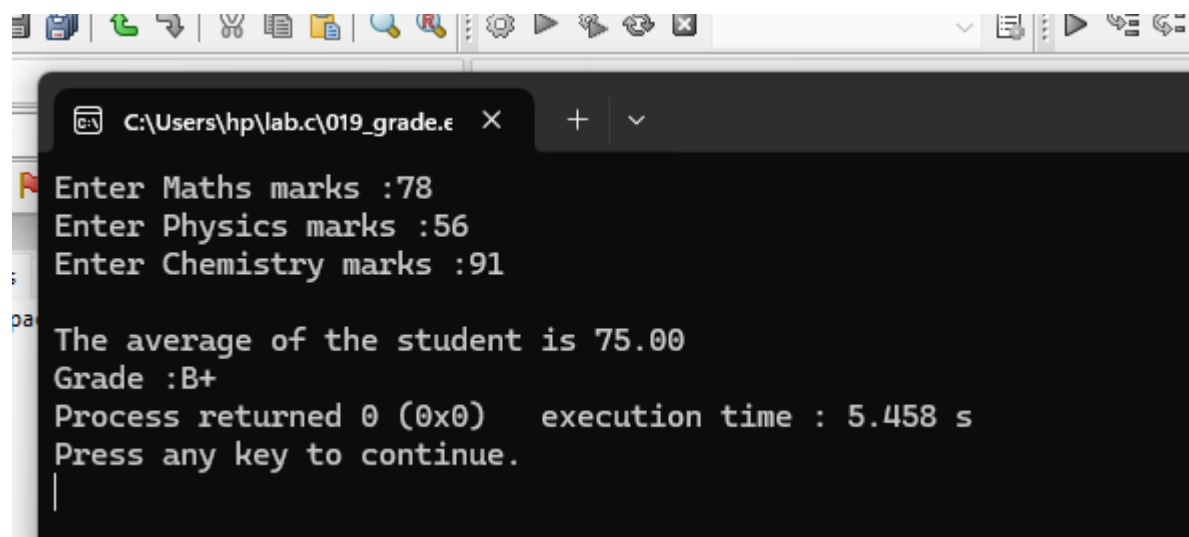
```
            printf("\nGrade :A");
```

```
    else
```

```
        if(avg>=70&&avg<80)
```

```
            printf("\nGrade :B+");
```

```
else
    if(avg>=60&&avg<70)
        printf("\nGrade :B");
else
    if(avg>=50&&avg<60)
        printf("\nGrade :C");
else
    printf("\nGrade :F");
return 0;
}
```

A screenshot of a Windows command prompt window showing the execution of a C program. The window title is "C:\Users\hp\lab.c\019_grade.c". The program prompts the user to enter marks for Maths, Physics, and Chemistry. The user enters 78, 56, and 91 respectively. The program calculates the average as 75.00 and outputs the grade as B+. It also shows the process returned 0 (0x0) and the execution time was 5.458 seconds. The prompt "Press any key to continue." is displayed at the bottom.

```
C:\Users\hp\lab.c\019_grade.c
Enter Maths marks :78
Enter Physics marks :56
Enter Chemistry marks :91

The average of the student is 75.00
Grade :B+
Process returned 0 (0x0)   execution time : 5.458 s
Press any key to continue.
|
```