

4. Craft a program that prompts the user to input a student's marks(6 marks). The program should then evaluate and print the category of the student's performance based on grade as (Grade A to F).

Percentage >= 95% A

Percentage >= 85% B

Percentage >= 75% C

Percentage >= 65% D

Percentage >= 45% E

Percentage < 45% F

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

```
int main()
```

```
{
```

```
float m1, m2, m3, m4, m5, m6;
```

```
float total, percentage;
```

```
// Input 6 subject marks
```

```
printf("Enter marks for 6 subjects:\n");
```

```
scanf("%f %f %f %f %f %f", &m1, &m2, &m3, &m4, &m5, &m6);
```

```
// Calculate total
```

```
total = m1 + m2 + m3 + m4 + m5 + m6;
```

```
// Calculate percentage
```

```
percentage = total / 6;
```

```
printf("Total Marks = %.2f\n", total);
```

```
printf("Percentage = %.2f%%\n", percentage);
```

```
// Grade evaluation
```

```
if (percentage >= 95)
```

```
    printf("Grade A\n");
```

```
else if (percentage >= 85)
```

```
    printf("Grade B\n");
```

```
else if (percentage >= 75)
```

```
    printf("Grade C\n");
```

```
else if (percentage >= 65)
```

```
    printf("Grade D\n");
```

```
else if (percentage >= 45)
```

```
    printf("Grade E\n");
```

```
else
```

```
    printf("Grade F\n");
```

```
return 0;
```

}