22/9/20

1BM19CS090

RAHIL

EXPERIMENT - 3

Q) Write a C/Java program to accept CIE marks (out of 50) and SEE marks (out of 100) of a student and print his/her grade. Use if else if ladder.

Code:

```
#include<stdio.h>
void main()
{
    float a[5], b[5], c[5], t[5];
    char z;
    for(int i=0;i<5;i++)
    {
        printf("\n\n Enter CIE marks of subject %d (out of 50):
        scanf("%f", &a[i]);
        printf("\n Enter SEE marks of subject %d (out of 100):"
        scanf("%f", &b[i]);
        c[i] = b[i]/2;
        t[i] = a[i]+c[i];
        if(t[i]<=100 && t[i]>=90)
        {
            printf("\n Your Final marks for subject %d: %f",i
            printf("\n Your Grade for subject %d : S", i+1);
        }
        else if(t[i]<90 && t[i]>=80)
        {
            printf("\n Your Final marks for subject %d: %f"i+
            printf("\n Your Grade for subject %d : A", i+1);
        }
        else if(t[i]<80 && t[i]>=70)
        {
            printf("\n Your Final marks for subject %d: %f"i+1,
            printf("\n Your Grade for Subject %d : B",i+1);
        }
```

```
else if (t[i] < 70 && t[i] >= 55)
{
  printf ("\n Your Final marks for subject %d: %f", i+1, t[i]);
  printf ("\n Your Grade for subject %d: C", i+1);
}
else if (t[i] < 55 && t[i] >= 40)
{
  printf ("\n Your Final marks for subject %d: %f, i+1,
  printf ("\n Your Grade for subject %d: D", i+1, t[i]);
}
else if (t[i] < 40 && t[i] >= 0)
{
  printf ("\n Your final marks for subject %d: %f, i+1,
  printf ("\n Your Grade for subject %d: F", t[i]);
  printf ("\n Your Grade for subject %d: F", i+1);
}
}
```

gradeOfsub.c

Saved

```c
#include<stdio.h>
void main()
{
  float a[5],b[5],c[5],t[5];
  char z;
  for(int i=0;i<5;i++)
  {
    printf("\n\nEnter CIE marks of subject %d(out of 50):",i+1);
    scanf("%f",&a[i]);
    printf("\nEnter SEE marks of subject %d(out of 100):",i+1);
    scanf("%f",&b[i]);
    c[i]=b[i]/2;
    t[i]=a[i]+c[i];
    if(t[i]<=100 && t[i]>=90)
    {
      printf("\nYour Final marks for subject %d: %f",i+1,t[i]);
      printf("\nYour Grade for subject %d:S",i+1);
    }
    else if(t[i]<90 && t[i]>=80)
    {
      printf("\nYour Final marks for subject %d: %f",i+1,t[i]);
      printf("\nYour Grade for subject %d:A",i+1);
    }
    else if(t[i]<80 && t[i]>=70)
    {
      printf("\nYour Final marks for subject %d: %f",i+1,t[i]);
      printf("\nYour Grade for subject %d:B",i+1);
    }
    else if(t[i]<70 && t[i]>=55)
    {
      printf("\nYour Final marks for subject %d: %f",i+1,t[i]);
      printf("\nYour Grade for subject %d:C",i+1);
    }
    else if(t[i]<55 && t[i]>=40)
    {
      printf("\nYour Final marks for subject %d: %f",i+1,t[i]);
      printf("\nYour Grade for subject %d:D",i+1);
    }
    else if(t[i]<40 && t[i]>=0)
    {
      printf("\nYour Final marks for subject %d: %f",i+1,t[i]);
      printf("\nYour Grade for subject %d:F",i+1);
    }
   }
}
```

Try Dcoder's keyboard

```
Terminal

Enter CIE marks of subject 1(out of 50):40

Enter SEE marks of subject 1(out of 100):42

Your Final marks for subject 1: 61.000000
Your Grade for subject 1:C

Enter CIE marks of subject 2(out of 50):32

Enter SEE marks of subject 2(out of 100):49

Your Final marks for subject 2: 56.500000
Your Grade for subject 2:C

Enter CIE marks of subject 3(out of 50):45

Enter SEE marks of subject 3(out of 100):95

Your Final marks for subject 3: 92.500000
Your Grade for subject 3:S

Enter CIE marks of subject 4(out of 50):24

Enter SEE marks of subject 4(out of 100):30

Your Final marks for subject 4: 39.000000
Your Grade for subject 4:F

Enter CIE marks of subject 5(out of 50):40

Enter SEE marks of subject 5(out of 100):86

Your Final marks for subject 5: 83.000000
Your Grade for subject 5:A
Process finished.
```