If else Switch case Ternary Assignment:

1. Using ternary operator compare 3 numbers and display the smallest number

```c
#include<stdio.h>
int main()
{
        int num1,num2,num3,res;
        printf("Enter values");
        scanf("%d%d%d",&num1,&num2,&num3);
        res=(num1<num2)?((num1<num3)?num1:num3):((num2<num3)?num2:num3);
        printf("Smallest number:%d\n",res);
        printf("\n\n");
        return 0;
}
```

```
user64@trainux01:~/Batch17Oct2024_189/Assignment/program$ ./a.out
Enter values2
3
5
Smallest number:2
```

2. WAP to read a designation code and display his designation as a string. Use the following mapping.
   2 – Software Developerw
   3 – Senior Software Developer
   4 – Team Lead
   5 – Senior Team Lead
   any other value – incorrect designation code

user64@trainux01: ~/Batch17Oct2024_189/Assignment/program

```c
#include<stdio.h>
int main()
{
        int n;
        printf("Enter value for designation:");
        scanf("%d",&n);
        switch(n)
        {
                case 1:printf("Software Developer");
                       break;
                case 2:printf("Senior Software Developer");
                       break;
                case 3:printf("Team Lead");
                       break;
                case 4:printf("Senior Team Lead");
                       break;
                default:printf("Incorrect Designation Code");
        }
printf("\n\n");
return 0;
}
```

```
user64@trainux01:~/Batch17Oct2024_189/Assignment/program$ ./a.out
Enter value for designation:1
Software Developer

user64@trainux01:~/Batch17Oct2024_189/Assignment/program$ ./a.out
Enter value for designation:3
Team Lead

user64@trainux01:~/Batch17Oct2024_189/Assignment/program$ ./a.out
Enter value for designation:6
Incorrect Designation Code
```

3. WAP to test the eligibility for deployment post training. Need to fulfill all the 4 conditions. Read the score inputs from user at runtime. (Use if else and switch together).
    i. Test1 Score >= 75%
    ii. Test2 Score >= 75%
    iii. Test3 Score >= 70%
    iv. Project Score >=75%

user64@trainux01: ~/Batch17Oct2024_189/Assignment/program

```c
#include <stdio.h>

int main()
{
 int test1, test2, test3, project;
 printf("Enter Test1 Score:");
 scanf("%d", &test1);
 printf("Enter Test2 Score: ");
 scanf("%d", &test2);
 printf("Enter Test3 Score: ");
 scanf("%d", &test3);
 printf("Enter Project Score: ");
 scanf("%d", &project);

 if (test1>= 75 && test2 >= 75 && test3 >= 70 && project >= 75){
         printf("Eligibile for Development\n");

 switch ((test1>=75) + (test2>=75) + (test3 >=70) + (project >= 75)) {

  case 4:printf("All conditions met\n");
         break;
  case 3:printf("Three conditions met\n");
         break;
  case 2:printf("Two conditions met\n");
         break;
  case 1:printf("One condition met\n");
         break;
 default:
    printf("None of the conditions met\n");
    break;
         }
 }
 else{
  printf("Eligibility Check Failed.\n");
 }

return 0;
}

~
~
~
~
~
```

```
user64@trainux01:~/Batch17Oct2024_189/Assignment/program$ vi switch1.c
user64@trainux01:~/Batch17Oct2024_189/Assignment/program$ gcc switch1.c
user64@trainux01:~/Batch17Oct2024_189/Assignment/program$ ./a.out
Enter Test1 Score:80
Enter Test2 Score: 86
Enter Test3 Score: 56
Enter Project Score: 98
Eligibility Check Failed.
user64@trainux01:~/Batch17Oct2024_189/Assignment/program$ ./a.out
Enter Test1 Score:80
Enter Test2 Score: 85
Enter Test3 Score: 90
Enter Project Score: 79
Eligibile for Development
All conditions met
```