

Lab-2

Date : 10/09/2025

// 20. PROGRAM WHICH WILL WORK LIKE A SIMPLE CALCULATOR USING SWITCH-CASE.

```
#include<stdio.h>

int main()
{
    char o;
    float a,b,c;

    printf("enter value of a= ");
    scanf("%f",&a);

    printf("enter value of b= ");
    scanf("%f",&b);

    printf("enter required operation between a and b:");
    scanf(" %c",&o);

    switch (o)
    {
        case '+':
            c=a+b;
            break;

        case '-':
            c=a-b;
            break;

        case '*':
            c=a*b;
            break;

        case '/':
            c=a/b;
            break;

    }

    printf("%f %c %f=%f",a,o,b,c);
}
```

C 18.cC 19.cC 20.cX C 21.cC 22.cC 23.c

C 20.c > main()

```
1 // 20. PROGRAM WHICH WILL WORK LIKE A SIMPLE CALCULATOR USING SWITCH-CASE.
2
3 #include<stdio.h>
4
5 int main()
6 {
7     char o;
8     float a,b,c;
9     printf("enter value of a= ");
10    scanf("%f",&a);
11    printf("enter value of b= ");
12    scanf("%f",&b);
13    printf("enter required operation between a and b:");
14    scanf(" %c",&o);
15
16    switch (o)
17    {
18        case '+':
19            c=a+b;
20            break;
21
22        case '-':
23            c=a-b;
24            break;
25
26        case '*':
27            c=a*b;
28            break;
29
30        case '/':
31            c=a/b;
32            break;
33    }
34    printf("%f %c %f-%f",a,o,b,c);
35 }
```

TERMINAL

```
PS C:\Users\Sumit\Desktop\vscode\clg> cd "C:\Users\Sumit\Desktop\vscode\clg"; if ($?) { gcc 20.c -o 20 } ; if ($?) { .\20 }
enter value of a= 5
enter value of b= 6
enter required operation between a and b:*
5.000000 * 6.000000=30.000000
PS C:\Users\Sumit\Desktop\vscode\clg>
```