

C-32 \Rightarrow C Program to make simple Calculator using switch case

```
void main()
```

```
{
```

```
int a, b, sum, sub, mul, div;
```

```
char operator;
```

```
printf("Enter Operator: \n");
```

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

```
printf("Enter 2 operands: \n");
```

```
scanf("%d %d", &a & b);
```

```
switch(operator)
```

```
{
```

```
case '+':
```

```
sum = a + b;
```

```
printf("Sum = %d\n", sum);
```

```
break;
```

```
case '-':
```

```
sub = a - b;
```

```
printf("sub = %d\n", sub);
```

```
break;
```

```
case '*':
```

```
mul = a * b;
```

```
printf("mult = %d\n", mul);
```

```
break;
```

case '/':

div = a/b;

printf("div = %.4f\n", div);

break

default:

printf("Enter valid operator....\n");

}

printf("out of switch calculator");

getch();

}

O/p:-

Enter operator: -

Enter 2 operands:

3

2

Sub = 1

Out of switch calculator

Q2

Enter operator: =

Enter 2 operands:

3

2

Enter valid operator

out of switch calculator

CODE 1:

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  /* ll switch */
4  /* Simple calculator using switch */
5  int main()
6  {
7      int a,b,sum,sub,mul,div;
8      char operator;
9      printf("Enter operator:\n");
10     scanf("%c",&operator);
11     printf("Enter 2 operands:\n");
12     scanf("%d%d",&a,&b);
13     switch(operator)
14     {
15         case '+':
16             sum=a+b;
17             printf("Addition:%d\n",sum);
18             break;
19         case '-':
20             sub=a-b;
21             printf("Subtraction:%d\n",sub);
22             break;
23
24         case '*':
25             mul=a*b;
26             printf("Multiplication:%d\n",mul);
27             break;
28         case '/':
29             div=a/b;
30             printf("Division:%d\n",div);
31             break;
32         default:
33             printf("Enter valid Operator....\n\n");
34     }
35     printf("Out of switch calculator..\n");
36     getch();
37 }
```

Logs & others

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Enter operator:

*

Enter 2 operands:

4

3

Multiplication:12

Out of switch calculator..

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Enter operator:

=

Enter 2 operands:

5

6

Enter valid Operator....

Out of switch calculator..