

USN - IBM19CS027

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Batch - A2 [OO] Lab

```
#include <stdio.h>
int main()
{
    int num1, num2, opt;
    printf ("Enter the first integer : ");
    scanf ("%d", &num1);
    printf ("Enter the second integer : ");
    scanf ("%d", &num2);
    printf ("\nInput your option :\n");
    printf ("1 - Addition.\n2 - Subtraction.\n3 - Multiplication.\n4 - Division.\n5 - Equal.\n6 - Not equal.\n7 - Greater.\n8 - Smaller.\n9 - Remainder.\n10 - Increment");
    scanf ("%d", &opt);

switch (opt)
{
    case 1 :
        printf ("The Addition of %d and %d is : %d\n", num1,
               num2, num1 + num2); break;
    case 2 :
        printf ("The subtraction of %d and %d is %d\n",
               num1, num2, num1 - num2); break;
    case 3 :
        printf ("The multiplication of %d and %d is %d\n",
               num1, num2, num1 * num2); break;
}
```

Case 4 :

```
if (num2==0) {  
    printf ("The second integer is zero. Divide by zero.\n");  
    else  
        printf ("The division of %d and %d is : %d\n", num1,  
               num2, num1/num2);  
    break;
```

Case 5 :

```
if (num1==num2)  
    printf ("Both the numbers are equal.\n");  
else  
    printf ("Numbers are not equal.\n");  
break;
```

Case 6 :

```
if (num1 != num2)  
    printf ("Both the numbers are not equal.\n");  
else  
    printf ("Numbers are equal.\n");  
break;
```

Case 7 :

```
if (num1 > num2)  
    printf ("%d is greater\n", num1);  
else  
    printf ("%d is greater\n", num2);  
break;
```

case 8 :

if ( $\text{num1} < \text{num2}$ )

printf ("Y.d is smaller\n", num1);

else

printf ("Y.d is smaller\n", num2);

break;

Case 9 :

printf ("The remainder of Y.d and Y.d is : Y.d")

num1, num2, num1 % num2);

break;

case 10 :

printf ("Incremented Y.d is Y.d\n Incremented  
Y.d is Y.d\n", num1, ++num1, num2,  
++num2);

break;

default :

printf ("Input correct option\n");

break;

}

return 0;

}