

Assignment 02 (Loops & Functions)

EX1: Make A Simple Calculator to Add & Subtract & Multiply and Divide using Switch case.

EX2: C Program to Reverse the number Using Function.

Output:

Enter the number: 5678

Reverse of digits Number = 8765

EX3: C program to Sum the numbers between 1 and n number.

Output 1:

Enter the number: 5

Sum of numbers from 1 to 5 = 15.

Output 2:

Enter the number: 100

Sum of numbers from 1 to 100 = 5050

EX4: How Can you do the following:

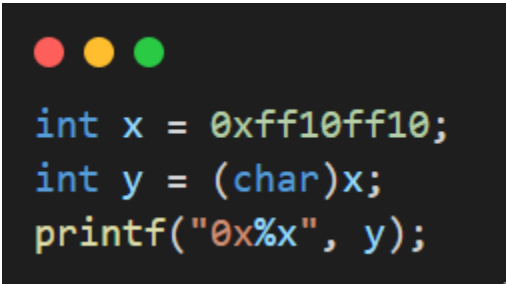
Set bit number 5 of R1 ➔

Reset bit number 6 of R2 ➔

Toggle bit number 7 of R3 ➔

EX5:

y = ??



```
int x = 0xff10ff10;
int y = (char)x;
printf("0x%x", y);
```

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EX6:

X1 = ?

X2 = ?

X3 = ?

X4 = ?

```
int x = 5 ;
printf("x1 = %d\n" , x++);
printf("x2 = %d\n" , ++x);
x++ ;
printf("x3 = %d\n" , x);
++x ;
printf("x4 = %d\n" , x);
```

EX7:

```
int x = 0 , y = 2 , z = 4 , m ;
m = x++ || y++ || --z ;
printf("x = %d\n y = %d\n z = %d\n m = %d",x , y , z ,m );
```

X = ??

y = ??

z = ??

m = ??

EX8: Predict the output

```
unsigned int i ;
for(i = 5 ; i < 10 ; i--)
{
    printf("%d\n" , i);
}
```