

# **SAINI TECHNOLOGIES**



## **ADVANCED C PROGRAMMING WITH SAINI TECHNOLOGIES**

**Sushil Kumar Saini**

**Email: [Sushilsaini04@gmail.com](mailto:Sushilsaini04@gmail.com)**

**Mo. 9896470047**

Program to calculate sum of two numbers.

```
#include<stdio.h>
void main()
{
int a,b,c; //Declare
clrscr();
printf("enter the value of a ");
scanf("%d",&a); //Input Values
printf("enter the value of b ");
scanf("%d",&b); //Input Values
c=a+b;
printf("The sum is %d",c);
getch();
}
```

---

Enter the value of a : 40

Enter the value of b :20

The sum is 60

---

**Program to swap to numbers using third variable**

```
void main()
{
int a,b,c;
clrscr();
printf("enter the value of a");
scanf("%d",&a);
printf("enter the value of b");
scanf("%d",&b);
c=a;
a=b;
b=c;
printf("The value of a %d",a);
printf("\nThe value of b %d",b);
getch();
}
```

Out put

---

Enter the value of a : 40

Enter the value of b :20

The value of a : 20

The value of b :40

---

## Program to swap values without third variable

```
void main()
{
int a,b;
clrscr();
printf("enter the value of a");
scanf("%d",&a);
printf("enter the value of b");
scanf("%d",&b);
a=a+b;
b=a-b;
a=a-b;
printf("The value of a %d",a);
printf("\nThe value of b %d",b);
getch();
}
```

=====  
Enter the value of a : 40  
Enter the value of b :20  
The value of a : 20  
The value of b :40  
=====

## Program to swap values without third variable

```
void main()
{ int a,b;
clrscr();
printf("enter the value of a");
scanf("%d",&a);
printf("enter the value of b");
scanf("%d",&b);
a=a*b;
b=a/b;
a=a/b;
printf("The value of a %d",a);
printf("\nThe value of b %d",b);
getch(); }
```

=====  
Enter the value of a : 40  
Enter the value of b :20  
The value of a : 20  
The value of b :40  
=====

## Program to find three digit reverse

```
void main()
{
//123 321
int num,rem,rev=0;
clrscr();
printf("Enter the number");
scanf("%d",&num); //123
rem=num%10; //3
rev=rev*10+rem; //3
num=num/10; //12
rem=num%10; //2
rev=rev*10+rem; //32
num=num/10; //1
rem=num%10; //1
rev=rev*10+rem; //321
printf("The rev is %d",rev);
getch();
}
```

