

SAINI TECHNOLOGIES



ADVANCED C PROGRAMMING WITH SAINI TECHNOLOGIES

Sushil Kumar Saini

Email: Sushilsaini04@gmail.com

Mo. 9896470047

```

// Loop
// Conditional, Counter
// While, Do While, For
void main()
{
int i;
clrscr();
i=1; //initialize
while(i<=10) //condition t t
printf(" %d",i++); //1 2 3
getch();
}

```

Output
1 2 3 4 5 6 7 8 9 10

```

// Loop
// Conditional Counter
// While, Do While, For

void main()
{
int i;
clrscr();
i=10; //initilize
while(i>=1) //condition
{
printf(" %d",i);
i--; //iteration
}
getch();
}

```

Output
10 9 8 7 6 5 4 3 2 1

```

// Loop
// Conditional Counter
// While, Do While, For
void main()
{
int num,rem,rev=0;
clrscr();
printf("Enter the Number");
scanf("%d",&num);
while(num>0) //condition
{
rem=num%10;
rev=rev*10+rem;
num=num/10;
}
printf("\n the Rev is %d",rev);
}

```

```
getch();  
}
```

Output

Enter the Number 12314
The Rev is 41321

```
// Loop  
// Conditional Counter  
// While, Do While, For
```

```
void main()  
{  
int num,rem,sum=0;  
clrscr();  
printf("Enter the Number");  
scanf("%d",&num);  
  
while(num>0) //condition  
{  
rem=num%10;  
sum=sum+rem;  
num=num/10;  
}  
printf("\n the sum is %d",sum);  
getch();
```

```
}
```

Enter the number 21423
The sum is 12

Program to find the sum of even digits from a Five digit numbers

```
void main()  
{  
int num,rem,sum=0;  
clrscr();  
printf("Enter the Number");  
scanf("%d",&num); //23568 16  
  
while(num>0) //condition  
{  
rem=num%10;  
if(rem%2==0)  
sum=sum+rem;  
num=num/10;  
}  
printf("\n the sum is %d",sum);  
getch();
```

```
}
```

Output : Enter the Number 23568

The sum is 16

Program to check whether a number is Prime or Not

```
void main()
{
int num,i;
clrscr();
printf("Enter the Number");
scanf("%d",&num); //23568 16
i=2;
while(i<num) //condition
{
if(num%i==0)
break;
i++;
}
if(i!=num)
printf("Not Prime");
else
printf("Prime No");
getch();
}
```

Output

Enter the Number : 5

Prime No

Program to find all Prime No. from 1 to 100

```
void main()
{
int num,i;
clrscr();
num=1;
while(num<=100)
{
i=2;
while(i<num) //condition
{
if(num%i==0)
break;
i++;
}
if(i==num)
printf(" %d",num);
num++;
}
```

```
getch();
```

```
}
```

Output is will print all prime no from 1 to 100.

Program to find the a raise to power b

```
void main()
{
int a,b,p=1,i;
clrscr();
printf("enter the value of a");
scanf("%d",&a);
printf("enter the value of b");
scanf("%d",&b); //2 3
i=1;
while(i<=b)
{
p=p*a;
i++;
}
printf("The Power is %d",p);
getch();
}
```

Enter the value of a 3

Enter the value of b 2

The power is 9