

SAINI TECHNOLOGIES



ADVANCED C PROGRAMMING WITH SAINI TECHNOLOGIES

Sushil Kumar Saini

Email: Sushilsaini04@gmail.com

Mo. 9896470047

Program to print 1 to 10 using do while Loop

```
void main()
{
int i;
clrscr();
i=1;
do
{
printf(" %d",i);
i++;
}
while(i<=10);
getch();
}
```

Output

1 2 3 4 5 6 7 8 9 10

Program to find the n factorial

```
void main()
{
int i,n,f=1;
clrscr();
printf("Enter the value");
scanf("%d",&n); //5
i=1;
do
{
f=f*i; //1 2 6 24 120
i++; //2 3 4 5 6
}
while(i<=n); //t t t t f
printf("The Fact is %d",f); //120
getch();
}
```

Enter the value 5

The fact is 120

Program to print the Fibnosis upto n times

```
void main()
{
int i,n,a=0,b=1,c;
//0 1 1 2 3 5 8
clrscr();
printf("Enter the value");
scanf("%d",&n); //5
i=1;
printf("%d %d",a,b);
do
{
```

```

c=a+b; // 1
printf(" %d",c);
a=b;
b=c;
i++; //2 3 4 5 6
}
while(i<=n);
getch();
}

```

Enter the value 5

0 1 1 2 3 5 8 13

Program to print the Fibonosis upto n limits

```

void main()
{
int i,n,a=0,b=1,c;
//0 1 1 2 3 5 8
clrscr();
printf("Enter the Limit value");
scanf("%d",&n); //5
printf("%d %d",a,b);
do
{
c=a+b; // 1
if(c>n)
break;
printf(" %d",c);
a=b;
b=c;
i++; //2 3 4 5 6
}
while(1);
getch();
}

```

Output

Enter the Limit value 20

0 1 1 2 3 5 8 13

Program to find the digit from a five digit No.

```

void main()
{
int num,d,rem,p=1,f=0;
clrscr();
printf("Enter the number");
scanf("%d",&num);
printf("Enter the Digit to search");
scanf("%d",&d);
while(num>0)
{

rem=num%10;
if(rem==d)
{

```

```

f=1;
break;
}
num=num/10;
p++;

}
if(f==1)
printf("digit found on position %d",p);
else
printf("Digit not found");
getch();
}

```

```

Enter the Number 12134
Enter the digit to search 3
Digit found on position 2

```

Program to find highest even digit

```

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

void main()
{
int num,d,rem,hi=0;
clrscr();
printf("Enter the number");
scanf("%d",&num); //284
while(num>0) //t t f
{
rem=num%10; //4 8 2
if(rem%2==0) //t t t
{
if( rem >hi) //t t f
hi= rem; //4 8 8
}
num=num/10; //28 2 0
}
printf("Highest Even Digit is %d",hi); //8
getch();

}

```

Output

```

Enter the number 284
Highest Even digit is 8

```
