

SAINI TECHNOLOGIES



ADVANCED C PROGRAMMING WITH SAINI TECHNOLOGIES

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Program to print 1 to 10 using for loop.

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

Output

1 2 3 4 5 6 7 8 9 10

Program to Find whether a number is prime or not ?

```
void main()
{
int i,n;
clrscr();
printf("enter the number");
scanf("%d",&n);
for(i=2;i<n;i++)
{
if(n%i==0)
break;
}
if(i==n)
printf("Prime No");
else
printf("Not Prime No");
getch();
}
```

Output

Enter the number 4
Not Prime No.

Program to print 5X5 Table

```
void main()
{
int i,j;
clrscr();
for(i=1;i<=5;i++) //rows
{
for(j=1;j<=5;j++) //columns
{
printf(" %d",i); //1 1 1 1 1
//2 2 2 2 2
}
printf("\n");
}
getch();
}
```

```
}
```

Output

```
1 1 1 1 1
2 2 2 2 2
3 3 3 3 3
4 4 4 4 4
5 5 5 5 5
```

Program to print 5X5

```
void main()
{
int i,j;
clrscr();
for(i=1;i<=5;i++) //rows
{
    for(j=1;j<=5;j++) //columns
    {
        printf(" %d",j);    //1 1 1 1 1
                             //2 2 2 2 2
    }
    printf("\n");
}
getch();
}
```

```
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
```

Program to print triangle of Digits

```
void main()
{
int i,j;
clrscr();
for(i=1;i<=5;i++) //rows
{
    for(j=1;j<=i;j++) //columns
    {
        printf(" %d",j);    //1 1 1 1 1
                             //2 2 2 2 2
    }
    printf("\n");
}
getch();
}
```

Output

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

```
void main()
{
int i,j,k=1;
clrscr();
for(i=1;i<=5;i++) //rows
{
    for(j=1;j<=i;j++) //columns
    {
        printf(" %d",k++); //1 1 1 1 1
                               //2 2 2 2 2
    }
    printf("\n");
}
getch();
}
```

Output

```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
```

