

Print Prime Numbers Up N NumbersAim:

To write a C program to print prime numbers up 'n' numbers.

Algorithm:

- 1) Start the program.
- 2) Declare four variable i, j, p and n.
- 3) Get values for n.
- 4) For i equal to 2 to n do the following
 - a).Initialize p as 1.
 - b).For j equal to 2 to i do the following
 - i). If i modulus j equal to 0 then
 - I. Assign p equal to 0
 - c).If p is not equal to 0 then
 - i). Display the number i.
- 5) Stop the program.

Program:

```
#include<stdio.h>
#include<conio.h>

void main()
{
    int i, j, p, n;
    clrscr();
    printf("\nEnter the Number: ");
    scanf("%d",&n);
    printf("\nPrime Numbers between 2 and %d is\n\n", n);
    for(i=2;i<n;i++)
    {
        p = 1;
```

```
for(j=2;j<i;j++)
{
    if((i%j)==0)
    {
        p = 0;
    }
}
if(p!=0)
{
    printf("%d ",i);
}
}
getch();
}
```

Result:

Thus the C program to print prime numbers up 'n' numbers is executed successfully.