

- Q) Write C/Java prg to print the prime numbers b/w gn two integers (inclusive). Accept 2 integers from user.

code:

```
#include <stdio.h>

int Prime (int n)
{
    int j, fl = 1;
    for (j = 2; j <= n / 2; ++j)
    {
        if (n % j == 0)
        {
            fl = 0;
            break;
        }
    }
    return fl;
}

int main()
{
    int n1, n2, fl, i;
    printf("Enter two positive integers: ");
    scanf("%d %d", &n1, &n2);
    printf("Prime numbers between %d and %d are: ", n1, n2);
    for (i = n1 + 1; i <= n2; ++i)
    {
        fl = Prime(i);
        if (fl == 1)
            printf("%d ", i);
    }
    return 0;
}
```



PrimeNos.c 



Saved

```
1 #include<stdio.h>
2 void main()
3 {
4     int n,j,k=0;
5     printf("Enter Number Of Rows:");
6     scanf("%d\n",&n);
7     for(int i=1;i<n;i++)
8     {
9         if(i%2!=0)
10            for(int j=k+1;j<k+i;j++)
11            {
12                printf("%d\n",j);
13                k=++j;
14            }
15        else
16        {
17            k=k+i-1;
18            for(j=k;j>k-i+1;j--)
19                printf("%d\n",j);
20        }
21    }
22 }
23 }
```

× Terminal



```
Enter two positive integers: 4  
17  
Prime numbers between 4 and 17 are: 5 7 11 13  
Process finished.
```

x Terminal



```
Enter two positive integers: 2  
9
```

```
Prime numbers between 2 and 9 are: 3 5 7  
Process finished.
```