**PROBLEM STATEMENT**:

Count the number of prime numbers less than a non-negative number, ***n***.

**Example:**

**Input:** 10

**Output:** 4

**Explanation:** There are 4 prime numbers less than 10, they are 2, 3, 5, 7.

**CODE:**

int countPrimes(int n) {

if(n<=2)

return 0;

int ans=0,i,j;

bool prime=false;

for(i=2;i<n;i++)

{

prime=true;

for(j=2;j\*j<=i;j++)

{

if(i%j == 0)

{

prime=false;

break;

}

}

if(prime)

ans++;

}

return ans;

}