TCS PRIME

#include <bits/stdc++.h>

#include<vector>

using namespace std;

long int primecheck(long int n)

{

//bool prime[n+1]

vector<bool> v(120000000,true);

long int count=0;

//memset(prime, true, sizeof(prime));

//for (int i=0; i<1000000000; i++) v.push\_back(true);

for (long int p=2; p\*p<=n; p++)

{

if (v[p] == true)

{

for (long int i=p\*2; i<=n; i += p)

v[i] = false;

}

}

long int sum=0;

for (long int p=2; p<=n; p++){

if (v[p]){

sum=sum+p;

if((sum>=5&&sum<=n)&&(v[sum]==true)){

count=count+1;

}

}

}

return count;

}

int main()

{

long int n;

long int n1;

cin>>n;

n1=primecheck(n);

cout<<n1;

return 0;

}