

FIND THE NEAREST PRIME

```
import java.util.*;

public class Solution {
    public static void main(String args[] ) throws Exception {
        Scanner myscanner = new Scanner(System.in);
        int num = myscanner.nextInt();
        int i=2;
        int answer=0;
        int record=num;
        while(i<2*num){
            boolean prime = true;
            for(int j=2;j<i;j++){
                if(i%j==0){
                    prime=false;
                }
            }
            if(prime){
                if(Math.abs(num-i)<record){
                    record=Math.abs(num-i);
                    answer=i;
                }
            }
            i++;
        }
        System.out.println(answer);
    }
}
```

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```
import java.util.*;

public class Solution {
    public static void main(String args[] ) throws Exception {
        Scanner myscanner = new Scanner(System.in);
        int num = myscanner.nextInt();
        int i=1;
        int primenum=0;
        while(primenum!=num){
            i++;
            boolean prime = true;
            for(int j=2;j<i;j++){
                if(i%j==0){
                    prime=false;
                }
            }
            if(prime){
                primenum++;
            }
        }
    }
}
```

```
        }  
        System.out.println(i);  
    }  
}
```