## PROGRAM 2:

C (Gcc 6.3)                                    ▼

```c
1   #include<stdio.h>
2   main()
3 ▾ {
4     int num,i,count=0,j,maxPrime=1;
5     printf("Enter a number \n");
6     scanf("%d",&num);
7     for(i=1;i<=num;i++)
8 ▾   {
9       count=0;
10      for(j=1;j<=i;j++)
11 ▾    {
12      if(i%j==0)
13 ▾    {
14      count++;
15      }
16      }
17      if(count==2)
18 ▾    {
19      if(maxPrime<i)
20 ▾    {
21      maxPrime=i;
22      }
23      }
24      }
25      printf("Maximum Prime number below %d is %d\n",num,maxPrime);
26   }
```

Custom Input

```
40
```

Status **Successfully executed**   Date **2021-08-01 14:15:05**   Time **0 sec**   Mem **9.424 kB**   ✖

**Input**

```
40
```

**Output**

```
Enter a number
Maximum Prime number below 40 is 37
```