

```

1  #include <iostream>
2  #include <math.h>
3  using namespace std;
4
5  int main()
6  {
7      int flag;
8      int a,b;
9      printf("Generating prime numbers between limits\n");
10     printf("Enter the lower bound:");
11     scanf("%d",&a);
12     printf("Enter the upper bound:");
13     scanf("%d",&b);
14     int i=a;
15     while(i<=b)
16     {
17         if(i==1||i==0)
18         {
19             continue;
20         }
21         flag=1;
22         for(int j=2;j<=sqrt(i);j++)
23         {
24
25             if((i%j)==0)
26             {
27                 flag=0;

```



```

1  while(i<=b)
2  {
3      if(i==1||i==0)
4      {
5          continue;
6      }
7      flag=1;
8      for(int j=2;j<=sqrt(i);j++)
9      {
10         if((i%j)==0)
11         {
12             flag=0;
13             break;
14         }
15     }
16     if(flag==1)
17     {
18         printf("%d \",i);
19     }
20     i++;
21 }
22
23
24
25
26
27
28
29     return 0;
30
31
32
33
34
35
36
37
38
39
40
41

```

I



C:\Users\admin\Documents\prime 001 lab\bin\Debug\prime 001 lab.exe

Generating prime numbers between limits

Enter the lower bound:2

Enter the upper bound:10

2 ,3 ,5 ,7 ,

Process returned 0 (0x0) execution time : 5.750 s

Press any key to continue.