Aim:

Write a sample code to find all the prime numbers between the limits.

[Hint: A prime number is a positive integer greater than 1 and which is divisible by 1 and itself only. A few prime numbers are 2, 3, 5, 7, 11, 13, 17, 19, etc.]

Exp. Name: Write a C program to find all the Prime numbers between the given

At the time of execution, the program should print the message on the console as:

```
Enter lower and upper limits :
```

For example, if the user gives the input as:

```
Enter lower and upper limits : 10 20
```

then the program should print the result as:

```
Prime numbers between 10 and 20 are : 11 13 17 19
```

Note: Do use the printf() function with spaces before and after the conversional string.

Source Code:

```
Program12.c
```

```
#include<stdio.h>
void main()
   int s,1,c=0,x,y;
   printf("Enter lower and upper limits : ");
   scanf("%d%d",&s,&1);
   printf("Prime numbers between %d and %d are : ",s,l);
   for(x=s;x<=1;x++)
      c=0;
      for(y=2;y<=x;y++)
   if(x\%y==0)
   {
      c++;
 }
  }
      if(c==1)
         printf("%d ",x);
  }
 }
}
```

Execution Results - All test cases have succeeded!

User Output	
Enter lower and upper limits : 3 20	
Prime numbers between 3 and 20 are : 3 5 7 11 13 17 19	

Test Case - 2
User Output
Enter lower and upper limits : 11 29
Prime numbers between 11 and 29 are : 11 13 17 19 23 29