

```
import java.util.Scanner;
class Prime{
public static void main(String args[]){
Scanner n= new Scanner(System.in);
int a,b;
System.out.println("Enter the numbers between which the prime numbers are required");
a=n.nextInt();
b=n.nextInt();
System.out.println("the prime numbers between the entered numbers are:");

for(int i=a;i<=b;i++){
int c=0;
for(int j=1;j<=i;j++)
{
if(i%j==0)
c++;
}
if(c==2)
System.out.println(i);
}
}
}
```

```
Microsoft Windows [Version 10.0.18363.1082]
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C:\Users\PUNEETH K>cd C:\Users\PUNEETH K\Desktop\JAVA

C:\Users\PUNEETH K\Desktop\JAVA>javac Prime.java

C:\Users\PUNEETH K\Desktop\JAVA>java Prime
Enter the numbers between which the prime numbers are required
0
19
the prime numbers between the entered numbers are:
2
3
5
7
11
13
17
19

C:\Users\PUNEETH K\Desktop\JAVA>
```

6. Prime number between the given numbers

```
import java.util.Scanner;
```

```
class Prime{
```

```
public static void main (String args[]){
```

```
Scanner n = new Scanner (System.in);
```

```
int a, b;
```

```
System.out.println("Enter the numbers btw which the prime  
numbers are required ");
```

```
a = n.nextInt();
```

```
b = n.nextInt();
```

```
System.out.println("The prime numbers between the  
entered numbers are:");
```

```
for (int i = a ; i <= b ; i++) {
```

```
int c = 0;
```

```
for (int j = 1 ; j <= i ; j++)
```

```
{ if (i % j == 0)
```

```
c++; }
```

```
if (c == 2)
    System.out.println(i);
}
}
}
```