

→

Program - 6

```
import java.util.*;
```

```
class prime {
```

```
void main() {
```

```
int a, b;
```

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

```
System.out.println("Enter two numbers");
```

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

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

```
System.out.println("Prime numbers between a & b:");
```

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

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

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

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

```
c++;
```

```
if (c == 2);
```

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

```
}
```

```
}
```

```
}
```

```
import java.util.*;
class prime {
    void main() {
        int a,b;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter a:");
        a=sc.nextInt();
        System.out.println("Enter b:");
        b=sc.nextInt();
        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);
        }
    }
}
```

Enter a:

25

Enter b:

50

29

31

37

41

43

47