

→ 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++)
            if (i%j==0)
                c++;
            if (c==2)
                System.out.println(i);
        }
    }
}
```

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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
```