

1. Program:

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

```
public class Main {
```

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

```
        int n1 = 20, n2 = 9;
```

```
        int gcd = 1;
```

```
        for (int i = 1; i <= n1 & i <= n2; ++i) {
```

```
            if (n1 % i == 0 & n2 % i == 0)
```

```
                gcd = i;
```

```
        }
```

```
        System.out.println ("gcd of " + n1 + " and " + n2 + " is " + gcd);
```

```
    }
```

```
}
```

2.

2. Program

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

```
class main
```

```
{
```

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

```
{
```

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

```
System.out.println (" Eligibility");
```

```
System.out.println (" Enter Your Age");
```

```
int age = sc.nextInt();
```

```
if ((age > 18) && (age <= 100))
```

```
{
```

```
System.out.println (" Congratulation , you are eligible for  
voting");
```

```
}
```

```
else
```

```
{
```

```
System.out.println (" Sorry , you allowed to vote after  
18 years");
```

```
}
```

```
}
```

```
}
```