

① program to sort the array.

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

```
public class Sort {
```

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

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

```
        int n = s.nextInt();
```

```
        int arr[] = new int[n];
```

```
        for (int i = 0; i < n; i++) {
```

```
            arr[i] = s.nextInt();
```

```
        }
```

```
        for (int i = 0; i < n; i++) {
```

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

```
                if (arr[i] > arr[j]) {
```

```
                    int temp = arr[i];
```

```
                    arr[i] = arr[j];
```

```
                    arr[j] = temp;
```

```
                }
```

```
            }
```

```
        }
```

```
        for (int i = 0; i < n; i++) {
```

```
            System.out.print(arr[i], " ");
```

```
        }
```

```
    }
```

② program to convert binary to decimal:

```
import java.util.Scanner;  
  
public class decimal {  
    public static void main (String args[]) {  
        Scanner s = new Scanner (System.in);  
        int n = s.nextInt(); int sum = 0;  
        int i = 0;  
        while (n > 0) {  
            int r = n % 10;  
            sum += r * (int) Math.pow(2, i);  
            n /= 10;  
            i++;  
        }  
        System.out.print ("Binary to decimal : " + sum);  
    }  
}
```

// Input :
1111

// output
15

// Input :
1010

// output
10