

① program to find 2nd smallest element in an array.

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

```
public class R192011296 {
```

```
    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();
```

```
        }
```

```
        Arrays.sort(arr);
```

```
        System.out.println ("2nd min element
```

```
        is: " + arr[1]);
```

```
    }
```

```
}
```

Input:

5 7, 8, 3, 7, 7

2nd minimum element is 7.

② program to find hcm:

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

```
public class hcm {
```

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

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

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

```
        int max;
```

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

```
        if (a > b) {
```

```
            max = a;
```

```
        }
```

```
        else {
```

```
            max = b;
```

```
        }
```

```
        int i;
```

```
        for (i = 1; i <= max; i++) {
```

```
            if (i % a == 0 & i % b == 0) {
```

```
                System.out.println ("hcm: " + i);
```

```
                break;
```

```
            }
```

```
        }
```

```
    }
```

```
}
```

input: 4, 8

hcm is : 8