Logic Building Assignment : 59

1. Write java program which accept N numbers from user and accept one another number as NO , check whether NO is present or not.

Input :   N :   6

             NO: 66

             Elements : 85   66   3   66   93   88

Output :   TRUE

Input :   N :   6

             NO: 12

             Elements : 85   11   3   15   11   111

Output :   FALSE

Program Layout :

```
class Number
{
    boolean Check(int Arr[], int iNo)
    {
        // Logic
    }
}
```

2. Write java program which accept N numbers from user and accept one another number as NO , return index of first occurrence of that NO.

Input :   N :   6

             NO: 66

             Elements : 85   66   3   66   93   88

Output :   1

Input :   N :   6

```
            NO:        12

            Elements : 85    11    3     15    11    111
```

Output :   -1

Program Layout :

```
#include<stdio.h>

class Number
{
      public int FirstOcc(int Arr[], int iNo)
      {
            // Logic
      }
}
```

3. Write java program which accept N numbers from user and accept one another number as NO , return index of last occurrence of that NO.

```
Input :     N :        6

            NO:        66

            Elements : 85    66    3     66    93    88
```

Output :   3

```
Input :     N :        6

            NO:        93

            Elements : 85    66    3     66    93    88
```

Output :   4

```
Input :     N :        6

            NO:        12

            Elements : 85    11    3     15    11    111
```

Output :   -1

```
class Number
{
```

```
    public int LastOcc(int Arr[], int iNo)
    {
        // Logic
    }
}
```

4. Write java program which accept N numbers from user and accept Range, Display all elements from that range

Input :   N :   6

             Start: 60

             End :   90

             Elements : 85   66   3   76   93   88

Output :   66   76   88

Input :   N :   6

             Start: 30

             End :   50

             Elements : 85   66   3   76   93   88

Output :

Program Layout :

```
class Number
{
    public void Display(int Arr[], int iStart, int iEnd)
    {
        // Logic
    }
}
```

5. Write java program which accept N numbers from user and return product of all odd elements.

Input :   N :   6

             Elements : 15   66   3   70   10   88

Output :   45

Input :   N :   6

            Elements : 44   66   72   70   10   88

Output :   0

Program Layout :

```
class Number
{

    public int Product(int Arr[])
    {
        // Logic
    }
}
```