```java
package Arrays.NewArray;
public class ArrayO
{
    public static void main(int a)
    {
        int n[]={2,4,6,8,10,12,14,16,18,20};
        int l=0,u=n.length-1,mid;
        while(l<=u)
        {
            mid=(l+u)/2;
            if(n[mid]==a)
            {
                System.out.println("Number "+a+" found at position "+(mid+1));
                break;
            }
            if(n[mid]<a)
            {
                l=mid+1;
            }
            if(n[mid]>a)
            {
                u=mid-1;
            }
        }
        if(l>u)
        {
            System.out.println("Number "+a+" not found");
        }
    }
}
```