

2)

```
import java.util.*;

public class Main

{

    public static void main(String[] args)

    {

        int n, a = 0, b = 0;

        Scanner s = new Scanner(System.in);

        System.out.println("Author:Sk.Saifuddin");

        System.out.print("Enter no. of elements you want in array:");

        n = s.nextInt();

        int x[] = new int[n];

        int odd[] = new int[n];

        int even[] = new int[n];

        System.out.println("Enter all the elements:");

        for(int y = 0; y < n; y++)

        {

            x[y] = s.nextInt();

        }

        for(int y = 0; y < n; y++)

        {

            if(x[y] % 2 != 0)

            {

                odd[a] = x[y];

                a++;

            }

        }

    }

}
```

```
else
{
    even[b] = x[y];
    b++;
}

}
System.out.print("Odd:");
if(a > 1)
{
    for(int y = 0;y < (a-1); y++)
    {
        System.out.print(odd[y]+",");
    }
    System.out.print(odd[a-1]);
}
else
{
    System.out.println("No number");
}
System.out.println("");


System.out.print("Even:");

if(b > 1)
{
    for(int y = 0; y < (b-1); y++)
    {
        System.out.print(even[y]+",");
    }
}
```

```
System.out.print(even[b-1]);  
}  
else  
{  
    System.out.println("No number");  
}  
}  
}
```

```
Author:Sk.Saifuddin  
Enter no. of elements you want in array:5  
Enter all the elements:  
2  
3  
5  
6  
0  
Odd:3,5  
Even:2,6,0  
Process finished.
```

4)

```
1 public class Main
2 {
3     public static void main (String[] args)
4     {
5         System.out.println("Author:Sk.Saifuddin");
6         int A=1;
7         for (int b=1;b<=5;b++)
8         {
9             for (int c=1;c<=b;c++)
10            {
11                System.out.print(A);
12                A++;
13            }
14            System.out.println();
15        }
16    }
17 }
```

x Terminal



```
Author:Sk.Saifuddin
1
23
456
78910
1112131415
```

```
Process finished.
```

5)

```
import java.util.Scanner;

public class Main

{
    public static void main(String[] args)

    {
        int c;
        String temp;
        Scanner s = new Scanner(System.in);
        System.out.println("Author:Sk.Saifuddin");
        System.out.print("Enter number of words you want to enter:");
        c = s.nextInt();
        String names[] = new String[c];
        Scanner s1 = new Scanner(System.in);
        System.out.println("Enter all the words line by line:");
        for(int a = 0; a < c; a++)
        {
            names[a] = s1.nextLine();
        }
        for (int a = 0; a < c; a++)
        {
            for (int b = a + 1; b < c; b++)
            {
                if (names[a].compareTo(names[b])>0)
                {
                    temp = names[a];
                    names[a] = names[b];
                    names[b] = temp;
                }
            }
        }
    }
}
```

```
    }
}

}

System.out.print("words in Sorted Order line:");
for (int a = 0; a < c - 1; a++)
{
    System.out.print(names[a] + " ");
}
System.out.print(names[c - 1]);
}
}
```

```
Author:Sk.Saifuddin
Enter number of words you want to enter:3
Enter all the words line by line:
who
are
you
words in Sorted Order line:are who you
Process finished.
```