

Assignment:

```
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:T.vyjayanthi\nSAP ID:51834774");
```

```
        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");
```

```
}
```

```
}
```

```
}
```

```
4.public class Main
```

```
{
```

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

```
System.out.println("Author:T.vyjayanthi\nSAP ID:51834774");
```

```
int A=1;
for (int b=1;b<=5;b++)
{
    for (int c=1;c<=b;c++)
    {
        System.out.print(A);

        A++;
    }
    System.out.println();
}
}
```

```
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:T.vyjayanthi\nSAP ID:41834774");
```

```
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]);
```

```
}
```

```
}
```