

July-28 Assignment

Question 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. Iswarya\nSAP ID:51834773");

        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");

}

}

}
```

Output:

```
× Terminal
Author:T. Iswarya
SAP ID:51834773
Enter no. of elements you want in array:5
Enter all the elements:
12
3
17
22
30
Odd:3,17
Even:12,22,30
Process finished.
```

Question 4:

```
public class Main
{
    public static void main (String[] args) {
        System.out.println("Author:T. Iswarya\nSAP ID:51834773");
        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();
        }
    }
}
```

Output :

```
× Terminal
Author:T. Iswarya
SAP ID:51834773
1
23
456
78910
1112131415
Process finished.
```

Question 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. Iswarya\nSAP  
ID:51834773 ");
```

```
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]);
```

}

}