

```
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:D.Aditya Varma\nSAP ID:51834693");
        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++)

    {

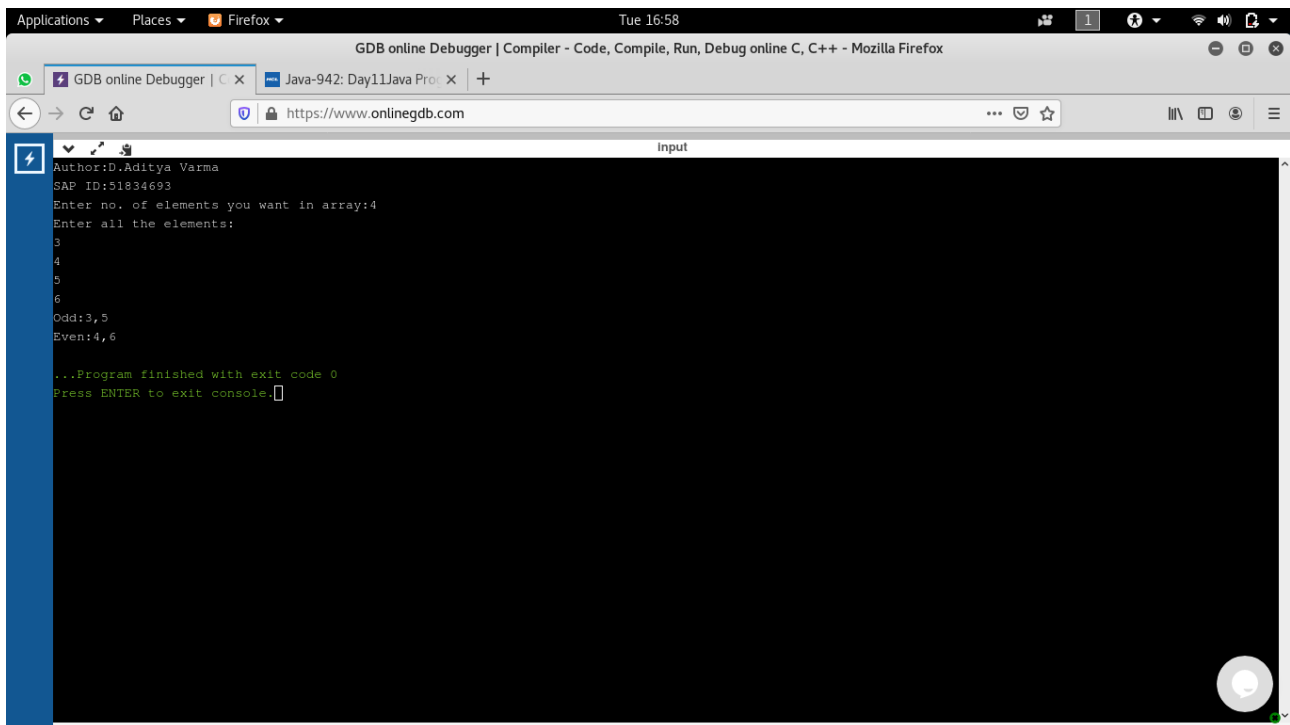
        System.out.print(even[y]+",");

    }

    System.out.print(even[b-1]);
```

```
}  
  
else  
  
{  
  
    System.out.println("No number");  
  
}  
  
}  
}
```

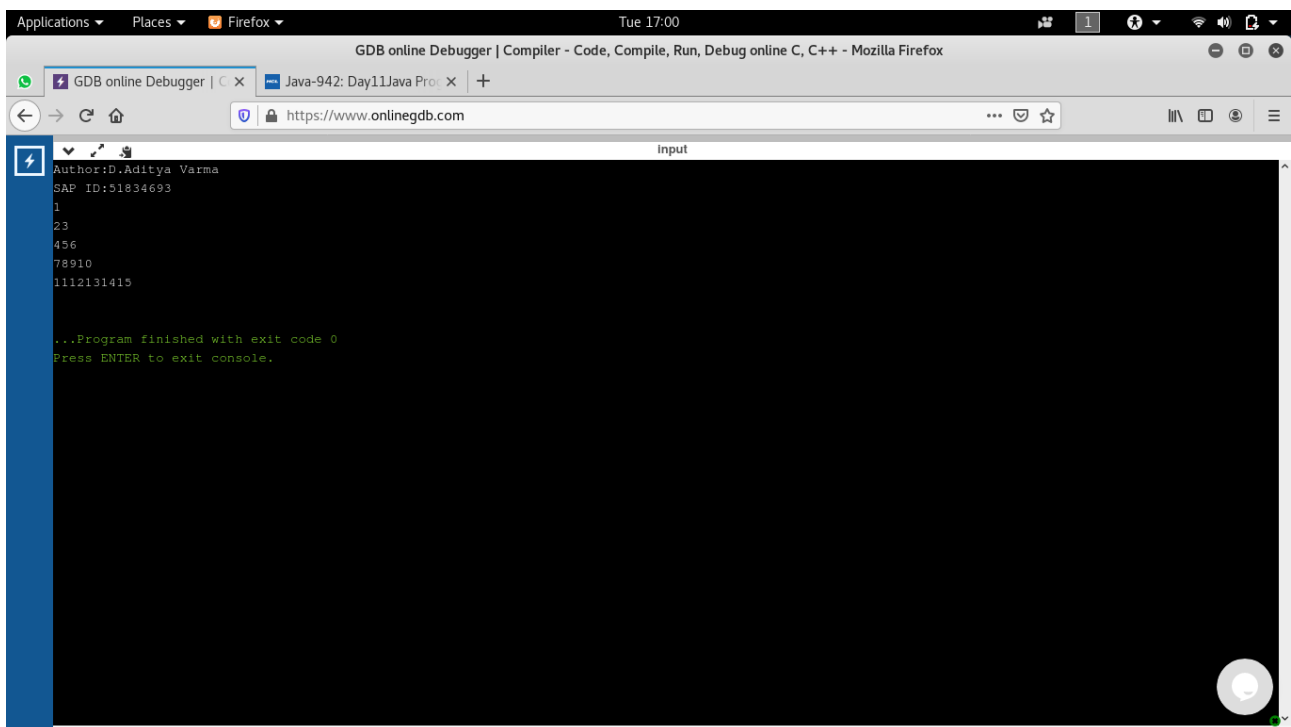
Output:



```
Author:D.Aditya Varma  
SAP ID:51834693  
Enter no. of elements you want in array:4  
Enter all the elements:  
3  
4  
5  
6  
Odd:3,5  
Even:4,6  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```

```
4)public class Main
{
    public static void main (String[] args) {
        System.out.println("Author:D.Aditya Varma\nSAP ID:51834693");
        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:



The screenshot shows a web browser window with the address bar displaying <https://www.onlinegdb.com>. The browser's title bar indicates it is a "GDB online Debugger | Compiler - Code, Compile, Run, Debug online C, C++ - Mozilla Firefox". The main content area shows the output of a Java program, which is displayed in a terminal window with a blue background. The output text is as follows:

```
Author:D.Aditya Varma
SAP ID:51834693
1
23
456
78910
1112131415

...Program finished with exit code 0
Press ENTER to exit console.
```

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:D.Aditya VARma\nSAP ID:41834693");

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]);

}

}

```

Output:

```

Author:D.Aditya VArma
SAP ID:41834693
Enter number of words you want to enter:3
Enter all the words line by line:
i
want
pubg
words in Sorted Order line:i pubg want

...Program finished with exit code 0
Press ENTER to exit console:

```