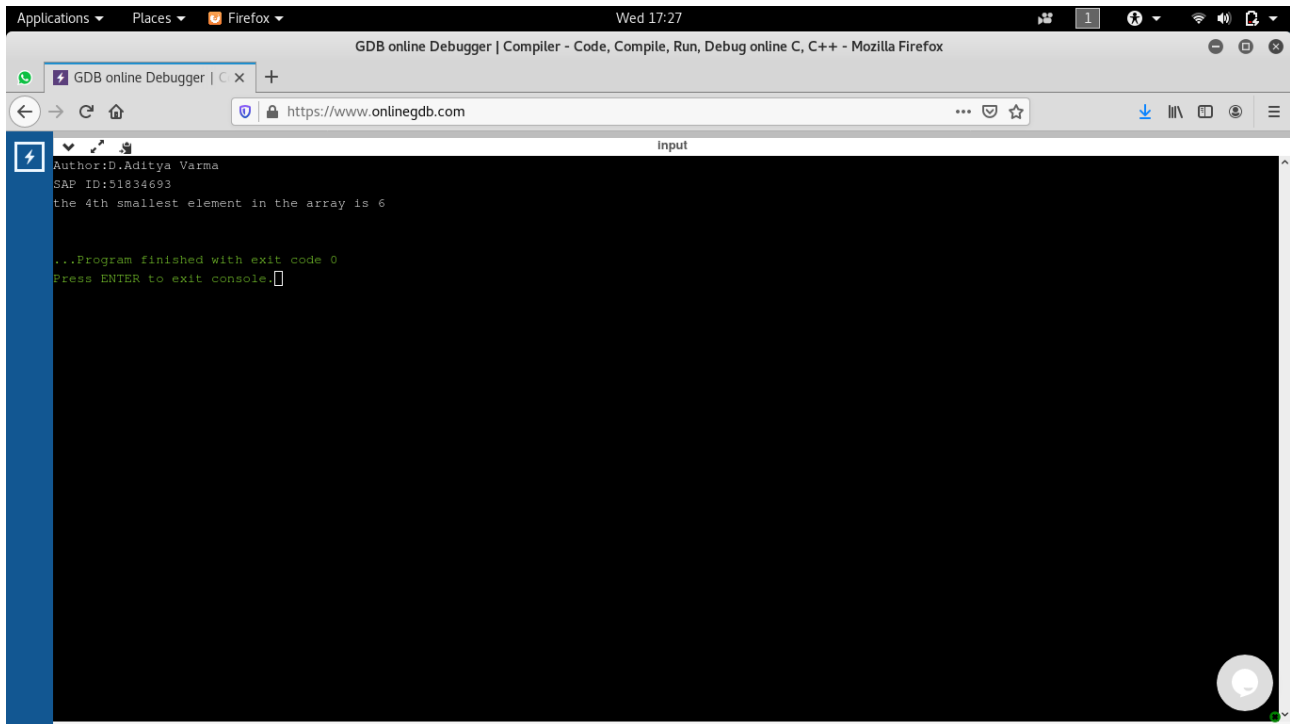


Output:



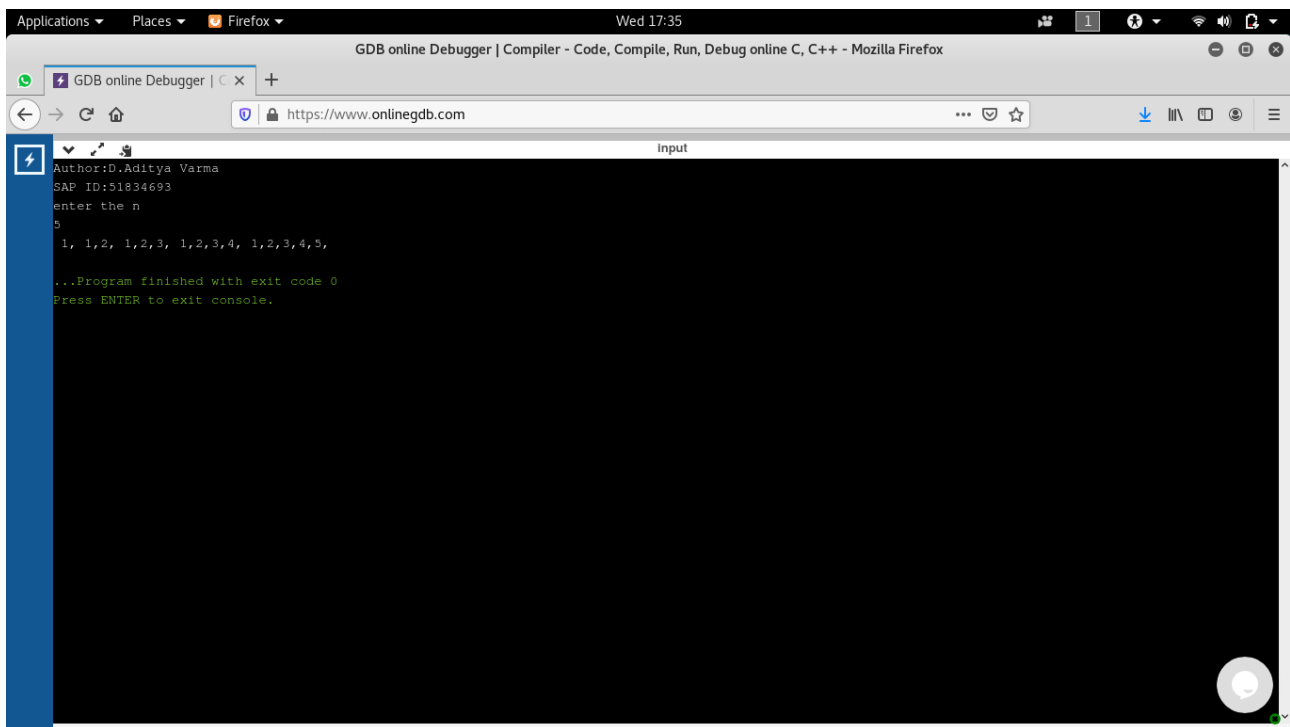
```
Author:D.Aditya Varma
SAP ID:51834693
the 4th smallest element in the array is 6

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

2)

```
import java.util.*;
class Pavan{
    public static void main(String args[]){
        Scanner sc=new Scanner(System.in);
        System.out.println("E.pavan kumar reddy\n51834760");
        System.out.println("enter the n");
        int n=sc.nextInt();
        for(int i=1;i<n+2;i++){
            for(int j=1;j<i;j++){
                System.out.print(j+",");
            }
            System.out.print(" ");
        }
    }
}
```

Output:



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

```
Author:D.Aditya Varma
SAP ID:51834693
enter the n
5
1, 1,2, 1,2,3, 1,2,3,4, 1,2,3,4,5,
...Program finished with exit code 0
Press ENTER to exit console.
```

```

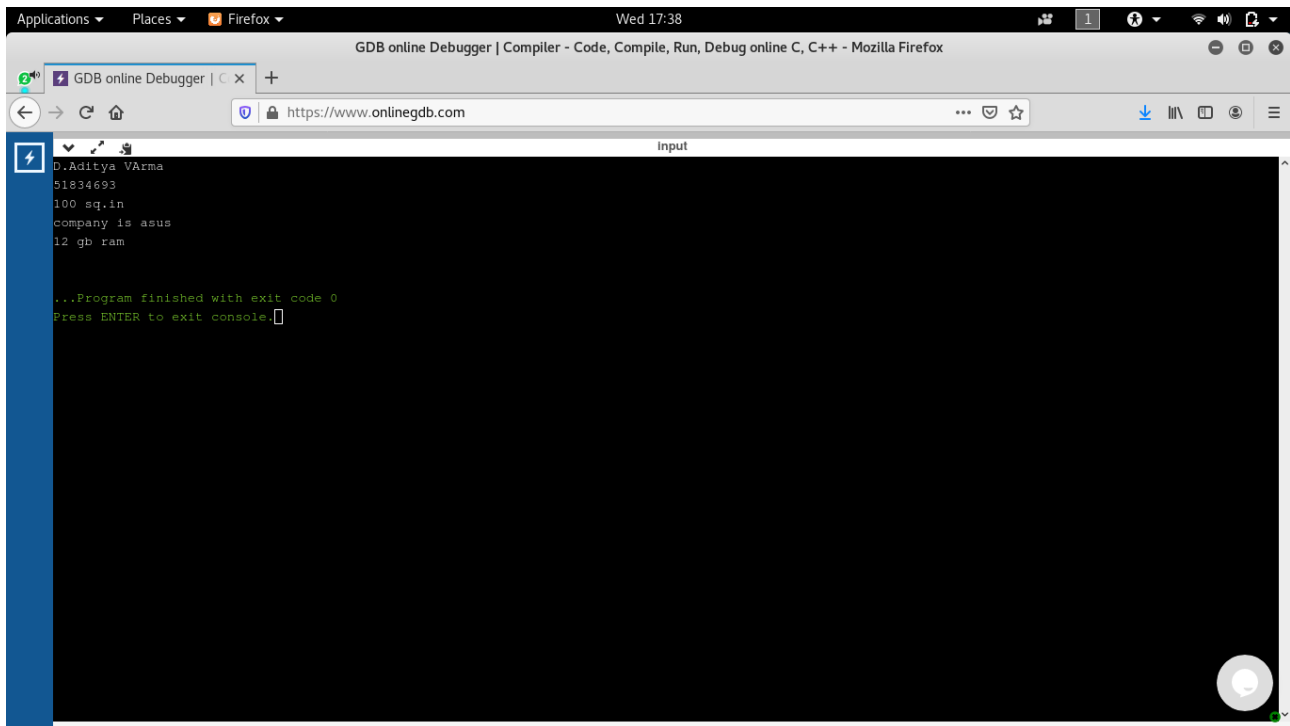
3)import java.util.*;
interface Laptop{
    abstract public void area();
    abstract public void company();
    abstract public void ram();
}
class Your_name implements Laptop{
    public void area(){
        System.out.println("100 sq.in");
    }
    public void company(){
        System.out.println("company is asus");
    }
    public void ram(){
        System.out.println("12 gb ram");
    }

    public static void main(String[] args){
        Your_name o=new Your_name();
        System.out.println("E.pavan kumar reddy\n51834760");

        o.area();
        o.company();
        o.ram();
    }
}

```

Output:



```
D.Aditya Varma
51834693
100 sq.in
company is asus
12 gb ram

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

5)

```
import java.util.*;

public class Main {

static void reverseWords(String str)
{
    System.out.println("Author:D.Aditya Varma\nSAP ID:51834693");
    Stack<Character> st=new Stack<Character>();

    for (int i = 0; i < str.length(); ++i) {
        if (str.charAt(i) != ' ')
            st.push(str.charAt(i));

        else {
            while (st.empty() == false) {
                System.out.print(st.pop());

            }
            System.out.print(" ");
        }
    }

    while (st.empty() == false) {
        System.out.print(st.pop());
    }
}

public static void main(String[] args)
{
String str = "please don't ban PUBG MOBILE";
    reverseWords(str);
}
}
```

Output:

```
Author:D.Aditya Varma
SAP ID:51834693
esaelp t'nod nab GBUP ELIBOM

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