J Cheran kumar

Java 1

Sap id : 51834769

Answers……

1)

```java
import java.util.Arrays;

import java.util.List;

import java.util.PriorityQueue;


class Main
{
        public static int findKthSmallest(List<Integer> I, int x)
        {
                PriorityQueue<Integer> pq = new PriorityQueue<>(I);


                while (--x > 0) {
                        pq.poll();
                }


                return pq.peek();
        }


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

```java
List<Integer> I = Arrays.asList(7, 4, 6, 3, 9, 1);

int x = 4;


System.out.println("Author:J. Cheran kumar\nSAP ID:51834769");

System.out.println("the 4th smallest element in the array is " +

                                                findKthSmallest(I, x));
        }
    }
```
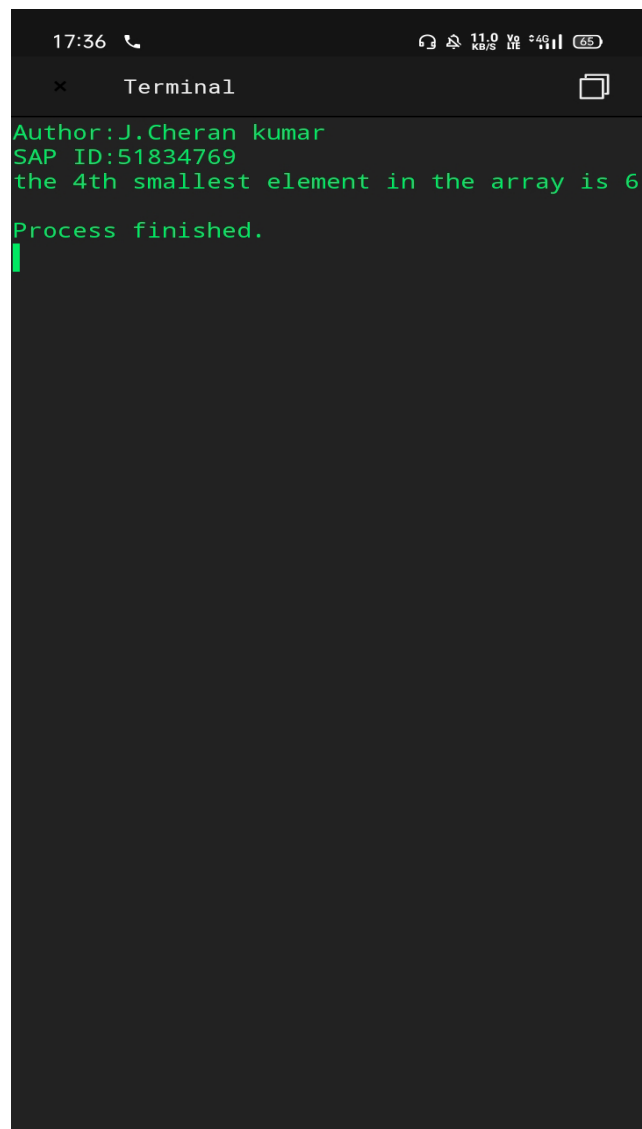
2)

```java
import java.util.*;
class Pavan{
 public static void main(String args[]){
   Scanner sc=new Scanner(System.in);
   System.out.println("J. Cheran kumar\n51834769");
   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(" ");
   }
 }

}
```
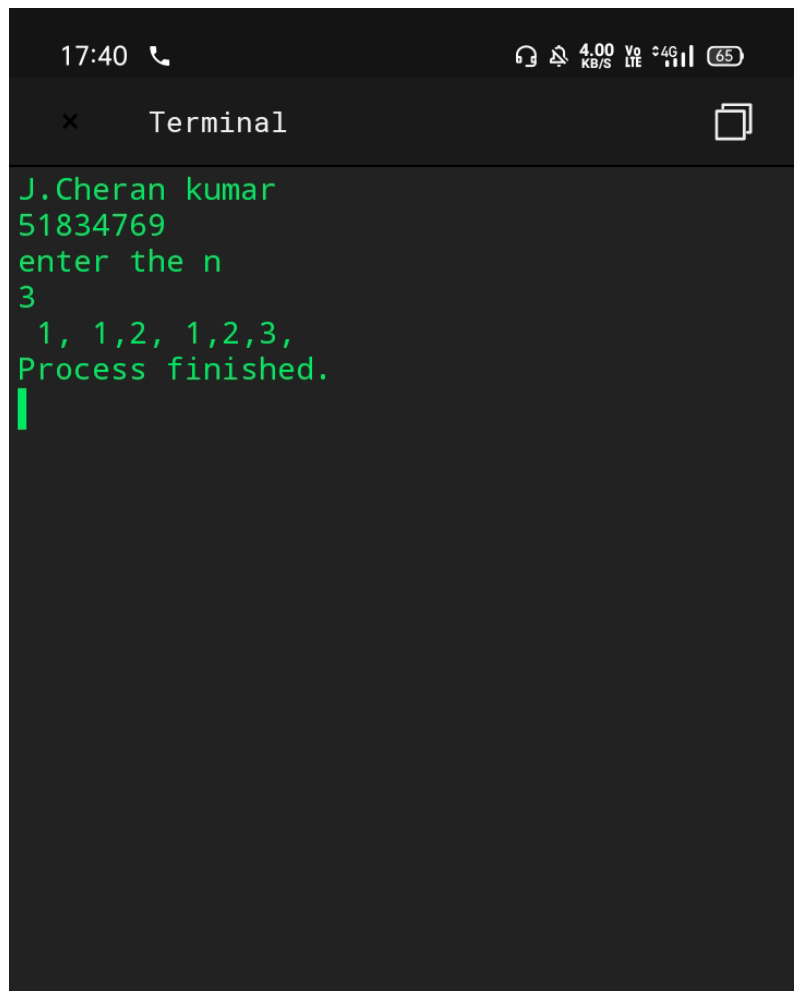


```
17:40                    4.00  Vo  4G   65
                         KB/S  LTE

  ×     Terminal                      

J.Cheran kumar
51834769
enter the n
3
 1, 1,2, 1,2,3,
Process finished.
```

3)

```java
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("J. Cheran kumar\n51834769");
```
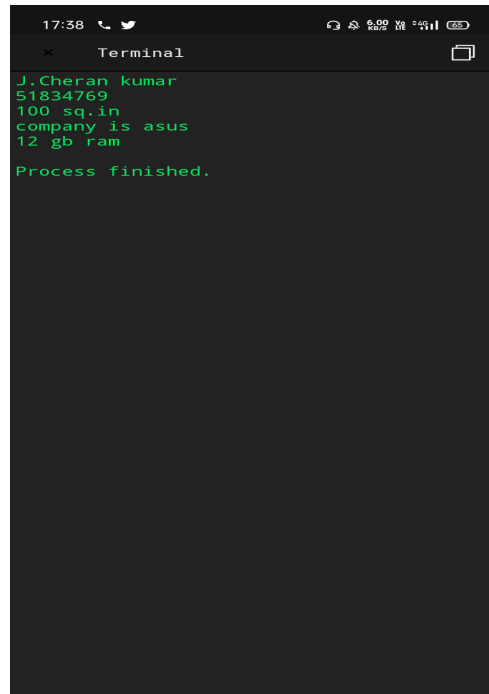
```
o.area( );

o.company( );

o.ram( );

}

}
```



```
17:38
Terminal
J.Cheran kumar
51834769
100 sq.in
company is asus
12 gb ram

Process finished.
```

5)

```
import java.util.*;

public class Main {

static void reverseWords(String str)

{

        System.out.println("Author:J. Cheran kumar\nSAP ID:51834769" );

        Stack<Character> st=new Stack<Character>( );


        for (int i = 0; i < str.length( ); ++i) {

                if (str.charAt(i) != ' ' )

                        st.push(str.charAt(i));
```

```java
        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 = "I want my bike back";
    reverseWords(str);
}
}
```

Marks : 14