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)
    {
        List<Integer> I = Arrays.asList(7, 4, 6, 3, 9, 1);
        int x = 4;

        System.out.println("Author:P.Jaganmohan\nSAP ID:518
        System.out.println("the 4th smallest element in the arr
                                findKthSmallest(I, x));
    }
}
```

×   Terminal   ⊓

Author:P.Jaganmohan
SAP ID:51834796
the 4th smallest element in the array is 6

Process finished.

2.

```java
import java.util.*;
class Pavan{
  public static void main(String args[]){
    Scanner sc=new Scanner(System.in);
    System.out.println("P.JaganMohan\n51834796");
    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(" ");
    }
  }
}
```

```
P.JaganMohan
51834796
enter the n
5
1,1,2,1,2,3,1,2,3,4,1,2,3,4,5,
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("P.Jaganmohan\n51834796");

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

Terminal × ⧉

```
P.Jaganmohan
51834796
100 sq.in
company is asus
12 gb ram

Process finished.
```

5.

```java
import java.util.*;
class Pavan{
  public static void main(String args[]){
    Scanner sc=new Scanner(System.in);
    System.out.println("enter no.of words");
    int n=sc.nextInt();
    String str;
    String s="";
    String arr[]=new String[n+1];
    System.out.println("enter all words");
    for(int i=0;i<n+1;i++){
      arr[i]=sc.nextLine();
    }
    for(int i=0;i<n+1;i++) {

      str=arr[i];

      for(int j=str.length()-1;j>=0;j--){
        s=s+str.charAt(j);
      }
      System.out.print(s+" ");
      s="";
```

Terminal ×   ⧉

```
enter no.of words
6
enter all words
jagan
mohan
free
shipping
amount
discount
 nagaj nahom eerf gnippihs tnuoma tnuocsid
Process finished.
```