Assignment:

1.
```java
import java.util.Arrays;
import java.util.List;
import java.util.PriorityQueue;

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

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

                return pq.peek();
        }

        public static void main(String[] args)
        {
                List<Integer> l = Arrays.asList(7, 4, 6, 3, 9, 1);
                int x = 4;

                System.out.println("Author:T.vyjayanthi\nSAP ID:51834774");
```

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

                                                      findKthSmallest(l, x));

        }
}



5. import java.util.*;

public class Main {

static void reverseWords(String str)
{
        System.out.println("Author:T.vyjayanthi\nSAP ID:51834774");
        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(" ");
```

```java
            }

        }


        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);

}

}
```