

The screenshot shows a mobile application interface for editing and running Java code. At the top, the status bar displays the time 5:48, battery level, and network status. The editor window is titled 'main.java' and shows a Java program that checks if two strings are rotations of each other. The code includes imports, a main method with user input, and a helper method 'checkRotation'. Below the editor is a terminal window showing the execution output, which includes the author's name, SAP ID, and the result of the string rotation check.

```
1 import java.util.*;
2 public class Main {
3     public static void Main(String[] args) throws Exception
4     {
5         Scanner sc = new Scanner(System.in);
6         System.out.println("Author: T.S.S.N.V.Pavan Kumar");
7         System.out.println("Enter the first string:");
8         String input = sc.nextLine();
9         System.out.println("Enter the second string:");
10        String rotation = sc.nextLine();
11        if (checkRotation(input, rotation)) {
12            System.out.println(input + " and " + rotation
13                               + " are rotation of each other");
14        } else {
15            System.out.println("they are not rotation of another");
16        }
17        sc.close();
18    }
19    public static boolean checkRotation(String original, S
20    {
21        if (original.length() != rotation.length()) {
22            return false;
23        }
24        String concatenated = original + original;
25        if (concatenated.indexOf(rotation) != -1) {
26            return true;
27        }
28        return false;
29    }
30 }
```

Terminal

```
Author: T.S.S.N.V.Pavan Kumar
SAP ID:51834685
Enter the first string:
Hello
Enter the second string:
world
they are not rotation of another
Process finished.
```

2.



5:50 5.00 KB/S 4G 72

← Main 2.java Saved →

```
1  class Demo{
2  public static void main (String args[]){
3  System.out.println(" Author: T.S.S.S.N.V.Pavan Kumar \
4  for(int i=0;i<=5;i++){
5  for(int j=0;j<i;j++){
6  if(j==0||j==i-1){
7  System.out.print("I");
8  }
9  else if(i==5&& j==2){
10 System.out.print("@");
11 }
12 else{
13 System.out.print(" ");
14 }
15 }
16 System.out.println();
17 }
18 }
19 }
```

× Terminal

Author: T.S.S.S.N.V.Pavan Kumar
sap id:51834685

I
I I
I I I
I I I I
I I @ I I

Process finished.
█

4.



```
5:54 5G 1.00 KB/S 46% 71
Main3.java
Saved

1 import java.util.Arrays;
2 class Main
3 {
4     public static void swap(int[] arr, int a, int b)
5     {
6         int temp = arr[a];
7         arr[a] = arr[b];
8         arr[b] = temp;
9     }
10    public static void bubbleSort(int[] arr, int x)
11    {
12        for (int a = 0; a < x - 1; a++) {
13            if (arr[a] > arr[a + 1]) {
14                swap(arr, a, a + 1);
15            }
16        }
17        if (x - 1 > 1) {
18            bubbleSort(arr, x - 1);
19        }
20    }
21    public static void Main(String[] args)
22    {
23        int[] arr = { 3, 5, 8, 4, 1, 9, -2 };
24        bubbleSort(arr, arr.length);
25        System.out.println("Author: T.S.S.S.N.V. Pavan Kumar");
26        System.out.println(Arrays.toString(arr));
27    }
28

Terminal

Author: T.S.S.S.N.V. Pavan Kumar
SAP ID: 5183685
[-2, 1, 3, 4, 5, 8, 9]

Process finished.
```

5.

