```java
class Demo{
  public static void main (String args[]){
    System.out.println("\nname:m.bhanu\nsap id:518347
      for(int i=0;i<=5;i++){
        for(int j=0;j<i;j++){
          if(j==0||j==i-1){
            System.out.print("1");
          }
          else if(i==5&&j==2){
            System.out.print("@");
          }
          else{
            System.out.print("!");
          }
        }
      System.out.println();
    }
}
```

```
✕ Terminal                              ⧉

name:m.bhanu
sap id:51834768

1
11
1!1
1!!1
1!@!1

Process finished.
|
```

```java
t java.util.*;

c class Main {

lic static void main(String[] args) throws Exceptio

canner sc = new Scanner(System.in);
ystem.out.println("Author:M.Bhanu\nSAP ID:51834768"
ystem.out.println("Enter the first string:");
tring input = sc.nextLine();

ystem.out.println("Enter the second string:");
tring rotation = sc.nextLine();

f (checkRotatation(input, rotation)) {
 System.out.println(input + " and " + rotation
      + " are rotation of each other");
 else {
 System.out.println("they are not rotation of anoth


c.close();


lic static boolean checkRotatation(String original,
f (original.length() != rotation.length()) {
 return false;


tring concatenated = original + original;

f (concatenated.indexOf(rotation) != -1) {
 return true;
```

✕ Terminal

```
Author:M.Bhanu
SAP ID:51834768
Enter the first string:
12
Enter the second string:
12
12 and 12 are rotation of each other

Process finished.
```

```
Author:M.Bhanu
SAP ID:51834768
Enter the first string:
10
Enter the second string:
12
they are not rotation of another

Process finished.
```

```java
1  import java.util.Arrays;
2
3  class Main
4  {
5      public static void swap(int[] arr, int a, int b
6      {
7          int temp = arr[a];
8          arr[a] = arr[b];
9          arr[b] = temp;
10     }
11
12     public static void bubbleSort(int[] arr, int x)
13     {
14         for (int a = 0; a < x - 1; a++) {
15             if (arr[a] > arr[a + 1]) {
16                 swap(arr, a, a + 1);
17             }
18         }
19         if (x - 1 > 1) {
20             bubbleSort(arr, x - 1);
21         }
22     }
23
24
25     public static void main(String[] args)
26     {
27         int[] arr = { 3, 5, 8, 4, 1, 9, -2 };
28
29         bubbleSort(arr, arr.length);
30
31         System.out.println("Author:M.Bhanu\nSAP ID:
32         System.out.println(Arrays.toString(arr));
33     }
```

✕ Terminal

```
Author:M.Bhanu
SAP ID:51834768
[-2, 1, 3, 4, 5, 8, 9]

Process finished.
```