earthquake.java

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```java
import java.util.Scanner;
import java.util.InputMismatchException;
class Earthquake
{
  public float measurement;
  void description(float measure) throws Exception
  {
    this.measurement=measure;
    if(measurement>=0 && measurement<2)
    {
      System.out.println("Micro earthquake, not felt");
    }
    else if(measurement>=2 && measurement<3)
    {
      System.out.println("Generally not felt, but recorded");
    }
    else if(measurement>=3 && measurement<4)
    {
      System.out.println("Noticeable shaking of indoor items,
       rattling noices.\nSignificant noices unlikely.");
    }
    else if(measurement>=4 && measurement<5)
    {
      System.out.println("Walls crack");
    }
    else if(measurement>=5 && measurement<6)
    {
      System.out.println("Furnitures move");
    }
    else if(measurement>=6 && measurement<7)
    {
      System.out.println("Some buildings collapse");
    }
    else if(measurement>=7 && measurement<8)
    {
      System.out.println("Many buildings collapsed");
    }
                                    ement<=12)
                                    of buildings
```

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```
    }
    else if(measurement>=7 && measurement<8)
    {
      System.out.println("Many buildings collapsed");
    }
    else if(measurement>=8 && measurement<=12)
    {
      System.out.println("Total destruction of buildings,
       roads and bridges");
    }
    else if(measurement>12)
    {
      throw new Exception("Application crashed");
    }
    else
    {
      throw new Exception("You cannot enter negative
       measurement");
    }
  }
}
class UserInput
{
  public static void main(String args[])
  {
    Earthquake e=new Earthquake();
    Scanner sc=new Scanner(System.in);
    System.out.println("Name:G.vyshnavi,SAP ID:51834743");
    System.out.println("Enter the measurement : ");
    try
    {
      int measure=sc.nextInt();
      try
      {
        e.description(measure);
      }
      catch(Exception ex)
      {
```

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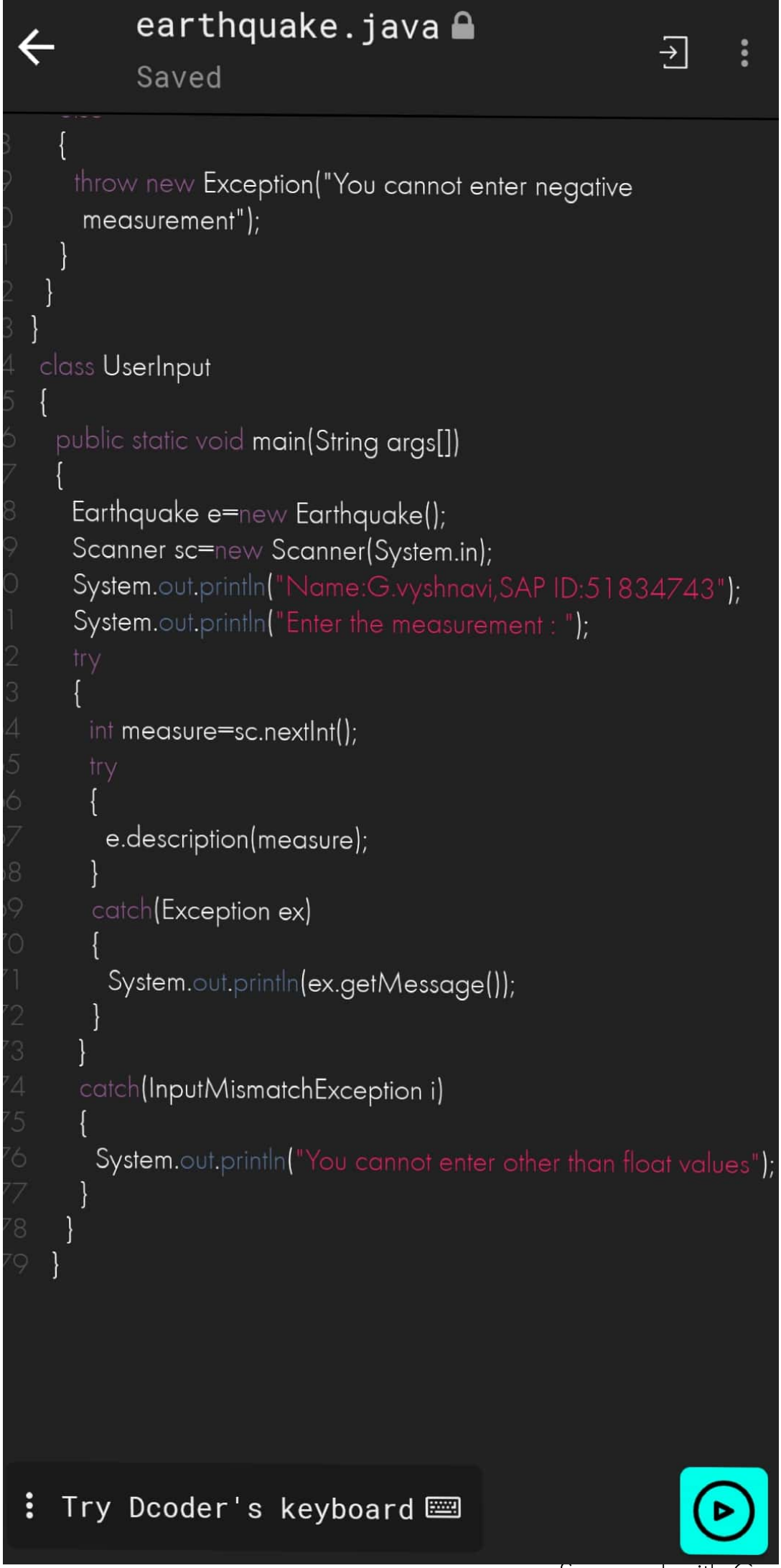

rotate.java

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```java
import java.util.Scanner;
class StringRotations
{
 public static void main(String[] args)
 {
    Scanner sc=new Scanner(System.in);
    System.out.println("Name:G.vyshnavi,SAP ID:51834743");
  System.out.println("Enter First String : ");
  String s1=sc.nextLine();  /*Taking input of first string from user*/
  System.out.println("Enter Second String : ");
  String s2=sc.nextLine();  /*Taking input of second string from us
  System.out.println(rotation(s1,s2));
 }
 static boolean rotation(String s1,String s2)
 {
  boolean result=false;
     for(int i=0;i<s2.length();i++)
     {
        if(s1.equals(s2))  /*Checking if both the strings
         are equal*/
        {
           result=true;
           break;
        }
        else
        {
           s2=s2.substring(1)+s2.substring(0,1);
    /*In every iteration bringing the first letter to last position*/
        }
     }
  return result;
 }
}
```

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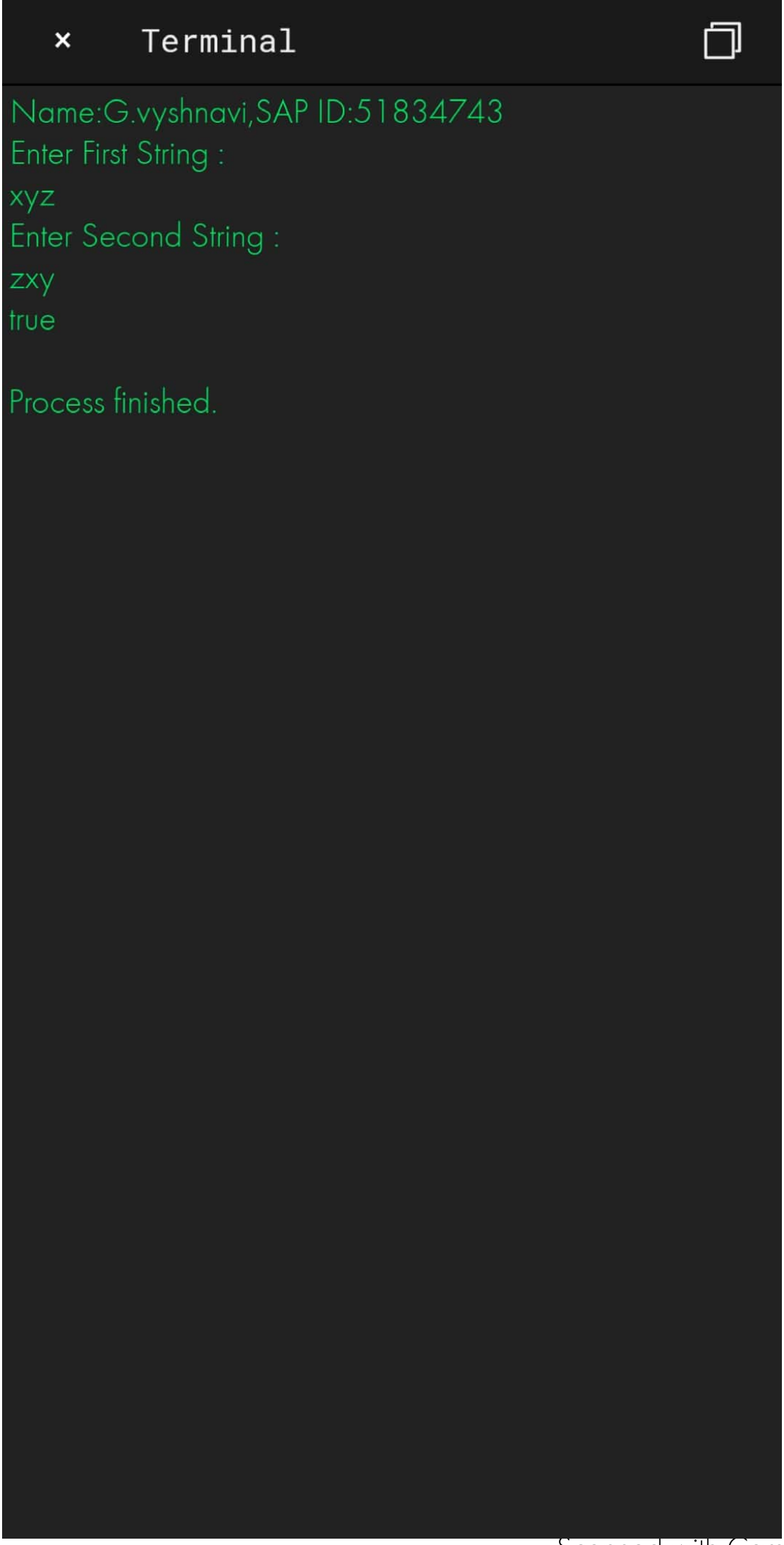

number.java

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```java
import java.util.Scanner;
class Conversion
{
static int replaceDigit(int x, int a)
{
  int result = 0, multiply = 1;
  while (x % 10 > 0)
  {
    int remainder = x % 10;
    if (remainder != a)
    {
      result = result + remainder * multiply;
      multiply *= 10;
    }
     x = x / 10;
  }
  return result;
}
public static void main(String[] args)
{
  System.out.println("Name:G.vyshnavi,SAP ID:51834743");
  Scanner sc=new Scanner(System.in);
  System.out.print("Enter your number : ");
  int x = sc.nextInt();
  System.out.print("Enter number to be removed : ");
  int a = sc.nextInt();
  System.out.println(replaceDigit(x, a));
}
}
```

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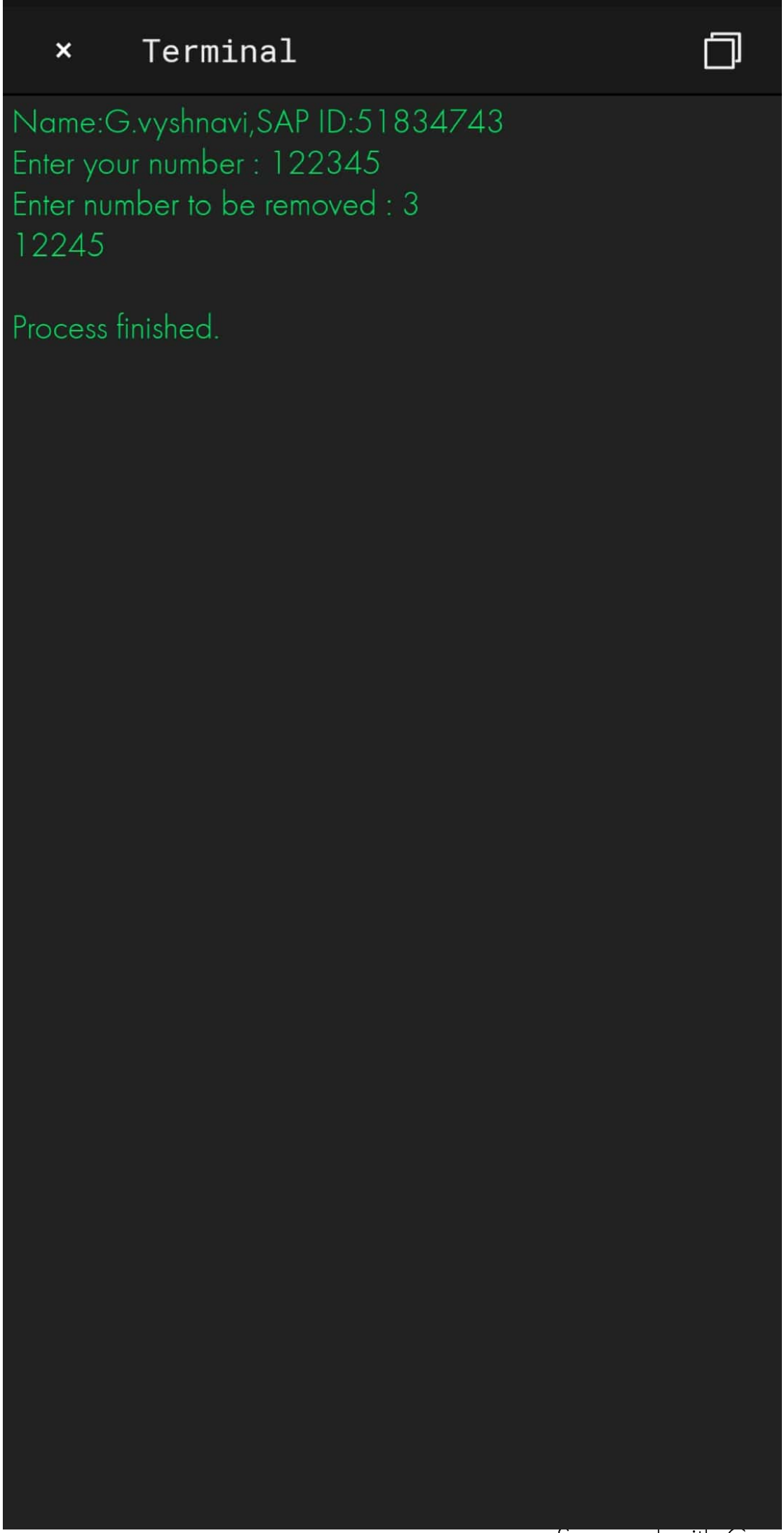

patterns.java

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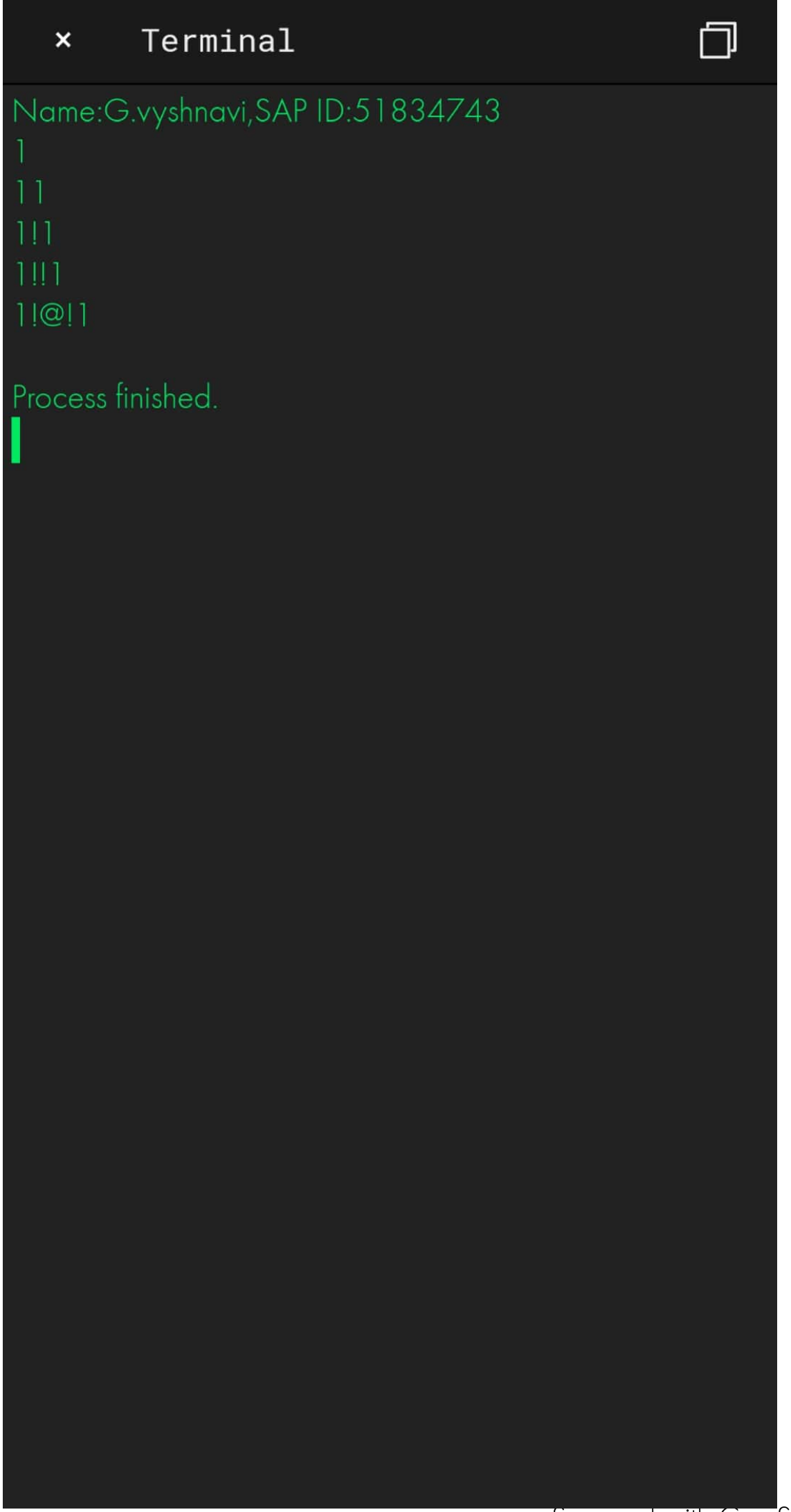
```java
class Dcoder
{
  public static void main(String args[])
  {
    System.out.println("Name:G.vyshnavi,SAP ID:51834743");
    for(int i=1;i<=5;i++)
    {
      for(int j=1;j<=i;j++)
      {
        if(i==5 && j==3)
        {
          System.out.print("@");
        }
        else if(j==1 || j==i)
        {
          System.out.print("1");
        }
        else
        {
          System.out.print("!");
        }
      }
      System.out.println();
    }
  }
}
```

Try Dcoder's keyboard



bubble sort.java

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```java
import java.util.Scanner;
public class Demo
{
  public static void main(String []args)
  {
    System.out.println("Name:G.vyshnavi,SAP ID:51834743");
   Scanner sc = new Scanner(System.in);
   System.out.println("Enter Size :");
   int n = sc.nextInt();
   sc.nextLine();
   String[] str = new String[n];
   System.out.println("enter "+n+" elements : ");
   for (int i=0;i<n;i++)
   {
     str[i]=sc.nextLine();
   }
   for (int i=0;i<n;i++)
   {
     for (int j=i+1;j<n;j++)
     {
       if (str[i].compareTo(str[j])>0)
       {
          String temp = str[j];
          str[j] = str[i];
          str[i] = temp;
       }
     }
   }
   System.out.println("Sorted string : ");
   for (int i=0;i<n;i++)
   {
      System.out.println(str[i]);
   }
  }
}
```

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