```java
//2nd question
import java.util.Scanner;
class Main
{
   public static boolean isRotation(String s1, String s2)
   {
      String s=s1+s1;
      if(s.contains(s2))
      {
         return true;
      }
      else
      {
         return false;
      }
   }
   public static void main (String[] args) {
      Scanner sc=new Scanner(System.in);
      System.out.println("Ch.Ramana Rohith\n51834534");
      System.out.print("\nEnter first String: ");
      String s1=sc.nextLine();
      System.out.print("Enter second String: ");
      String s2=sc.nextLine();
      System.out.println(s1+" and "+s2+" are rotations of each other."+
            " True or False?\n"+isRotation(s1,s2));

   }
}
```

Ch.Ramana Rohith
51834534

Enter first String: XYZ
Enter second String: ZXY
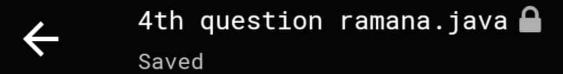XYZ and ZXY are rotations of each other. True or False?
true

Process finished.

```java
1   //3rd question//
2   import java.util.Scanner;
3   class Main
4   {
5     public static int[] replaceNum(int num,int length, int num1)
6     {
7       int d[]=new int[length];
8       for(int i=0;i<length;i++)
9       {
10        d[i]=num%10;
11        num=num/10;
12      }
13      for(int i=0;i<length;i++)
14      {
15        if(d[i]==num1)
16        {
17          d[i]=10;
18
19        }
20      }
21      return d;
22    }
23    public static int length(int num)
24    {
25      int length=0;
26      int temp=num;
27      while(temp>0)
28      {
29        temp=temp/10;
30        length++;
31      }
32      return length;
33    }
34    public static void main (String[] args) {
35      Scanner sc=new Scanner(System.in);
36      System.out.println("Ch.Ramana Rohith\n51834534");
37      System.out.print("\nEnter a number: ");
38      int n=sc.nextInt();
39      System.out.print("Enter a number to removed: ");
40      int num1=sc.nextInt();
```

```java
41      int length=length(n);
42      int[]d=replaceNum(n, length, num1 );
43      System.out.println("\nNumber after the digit is removed...");
44      for(int i=length-1;i>=0;i--)
45      {
46         if(d[i]<10)
47         System.out.print(d[i]);
48      }
49   }
50 }
```

```
×        Terminal                          ⧉

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Enter a number: 467432578
Enter a number to removed: 7


Number after the digit is removed...
4643258
Process finished.
```

```
×        Terminal                          ⧉

Ch.Ramana Rohith
51834534


Enter a number: 789650055
Enter a number to removed: 0


Number after the digit is removed...
7896555
Process finished.
```

```java
1  /*Pattern 24 july 4th question*/
2  class Pattern
3  {
4    public static void main(String args[])
5    {
6     System.out.println("Ramana Rohith Java-1");
7     for(int i=1;i<=5;i++)
8     {
9      for(int j=1;j<=i;j++)
10     {
11      if(i==5 && j==3)
12      {
13       System.out.print("@");
14      }
15      else if(j==1 || j==i)
16      {
17       System.out.print("1");
18      }
19      else
20      {
21       System.out.print("!");
22      }
23     }
24     System.out.println();
25    }
26   }
27  }
```

Author:C.Ramana Rohith
[-2, 1, 3, 4, 5, 8, 9]

Process finished.

```java
1   /*5th question*/
2   import java.util.Arrays;
3
4   class Main
5   {
6     public static void swap(int[] arr, int a, int b)
7     {
8       int temp = arr[a];
9       arr[a] = arr[b];
10      arr[b] = temp;
11    }
12
13    public static void bubbleSort(int[] arr, int x)
14    {
15      for (int a = 0; a < x - 1; a++) {
16        if (arr[a] > arr[a + 1]) {
17          swap(arr, a, a + 1);
18        }
19      }
20      if (x - 1 > 1) {
21        bubbleSort(arr, x - 1);
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:C.Ramana Rohith");
32      System.out.println(Arrays.toString(arr));
33    }
34  }
```

```
Terminal
```

Author:C.Ramana Rohith
[-2, 1, 3, 4, 5, 8, 9]

Process finished.