



Question 2.java



```
1 import java.util.*;
2
3 public class Main {
4
5     public static void main(String[] args) throws Exception {
6
7         Scanner sc = new Scanner(System.in);
8         System.out.println("Author:V.Pavan Kumar\nSAP ID:51834509");
9         System.out.println("Enter the first string:");
10        String input = sc.nextLine();
11
12        System.out.println("Enter the second string:");
13        String rotation = sc.nextLine();
14
15        if (checkRotatation(input, rotation)) {
16            System.out.println(input + " and " + rotation
17                               + " are rotation of each other");
18        } else {
19            System.out.println("they are not rotation of another");
20        }
21    }
22 }
```





Question 2.java

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```
15 checkRotation(input, rotation) {  
16     System.out.println(input + " and " + rotation  
17         + " are rotation of each other");  
18 } else {  
19     System.out.println("they are not rotation of another");  
20 }  
21  
22 sc.close();  
23 }  
24  
25 public static boolean checkRotation(String original, String rotation) {  
26     if (original.length() != rotation.length()) {  
27         return false;  
28     }  
29  
30     String concatenated = original + original;  
31     if (concatenated.indexOf(rotation) != -1) {  
32         return true;  
33     }  
34     return false;  
35 }
```

File info

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





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```
25 public static boolean checkRotation(String original, String rotation) {  
26     if (original.length() != rotation.length()) {  
27         return false;  
28     }  
29  
30     String concatenated = original + original;  
31  
32     if (concatenated.indexOf(rotation) != -1) {  
33         return true;  
34     }  
35  
36     return false;  
37 }  
38 }
```

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× Terminal



Author:V.Pavan Kumar

SAP ID:51834509

Enter the first string:

XYZ

Enter the second string:

ZXY

XYZ and ZXY are rotation of each other

Process finished.



Question 3.java



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```
1 import java.util.Scanner;
2 class Main
3 {
4     public static int[] replaceNum(int num,int length, int num1)
5     {
6         int d[]=new int[length];
7         for(int i=0;i<length;i++)
8         {
9             d[i]=num%10;
10            num=num/10;
11        }
12        for(int i=0;i<length;i++)
13        {
14            if(d[i]==num1)
15            {
16                d[i]=10;
```

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```
15         {  
16             d[i]=10;  
17         }  
18     }  
19 }  
20 return d;  
21 }  
22 public static int length(int num)  
23 {  
24     int length=0;  
25     int temp=num;  
26     while(temp>0)  
27     {  
28         temp=temp/10;  
29         length++;  
30     }
```

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```
ain (String[] args) {
```





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```
30     }
31     return length;
32 }
33 public static void main (String[] args) {
34     Scanner sc=new Scanner(System.in);
35     System.out.println("Author:V.Pavan Kumar\n Sap id :51834509");
36     System.out.print("\nEnter a number: ");
37     int n=sc.nextInt();
38     System.out.print("Enter a number to removed: ");
39     int num1=sc.nextInt();
40     int length=length(n);
41     int[]d=replaceNum(n, length, num1 );
42     System.out.println("\nNumber after the digit is removed...");
43     for(int i=length-1;i>=0;i--)
44     {
45         if(d[i]<10)
46             System.out.print(d[i]);
```

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Question 3.java

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

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Author:V.Pavan Kumar
Sap id :51834509

Enter a number: 123
Enter a number to removed: 3

Number after the digit is removed...
12
Process finished.