Given x and y, print xy Problem Submissions Leaderboard Take \underline{x} and \underline{y} digits as integer inputs and then form a number $\underline{x}\underline{y}$ from it and then finally print that number. for eg. if you are the given 3 and 4, then you have to form the number 34 from it and then finally print the number 34.

Discussions

89

logic

N

5

ans

Sample Input 1

Sample Output 1

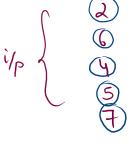
3 → T

P3 { 6

89

```
1 vimport java.io.*;
 2 import java.util.*;
 4 *public class Solution {
       public static(int) formNum(int x, int y){
 6
            int res = x * 10 + y;
            return res
 8
 9
       public static void main(String[] args) {
10
            Scanner scn = new Scanner(System.in);
           int T = scn.nextInt();
11
12
           for(int i = 0; i < T; i++){
13
                int x = scn.nextInt();
14
                int y = scn.nextInt();
15
16
                int ans = formNum(x, y);
                                            //x * 10 + y
17
                System.out.println(ans);
18
19
20
21 }
```

```
T = 2
i = 0
0 < 2^{v}
x = 6
y = 4
x = 5
y = 7
y = 7
```



```
void function.
```

```
4 *public class Solution {
 5 🔻
        public static void formNumber(int x, int y){
 6
           int res = x * 10 + y;
 7
           System.out.println(res);
9 •
        public static void main(String[] args) {
10
            Scanner scn = new Scanner(System.in);
11
           int T = scn.nextInt();
12 1
           for(int i = 0; i < T; i++){
13
                int x = scn.nextInt();
14
                int y = scn.nextInt();
15
16
                formNumber(x, y); //x * 10 + y
17
18
19
       }
20 }
```

```
5
6
T=1
i=\emptyset
0<1
x=5
y=6
1<1
1<1
```

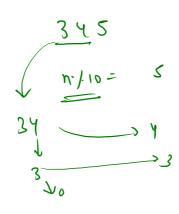
Print digit by digit of a three digit number

Problem Submissions Leaderboard Discussions

Given a three-digit positive number. Print its digits one by one starting from the digit at one's place to the digit at hundred's place in a separate line.







Sample Input 0

345

Sample Output 0

5 4

```
1 vimport java.io.*;
2 import java.util.*;
4 *public class Solution {
6 1
       public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           int n = scn.nextInt();
           while(n > 0){
               int d = n % 10;
               System.out.println(d);
               n /= 10;
                1 import java.io.*;
                                                                             3470
                2 import java.util.*;
15 }
                4 public class Solution {
                      public static void printDigits(int n){
                6
                          while(n > 0){
                              int d = n % 10;
                              System.out.println(d);
                9
                              n /= 10;
               10
               11
                      }
               12
               13
                                                                                 070
               14
                      public static void main(String[] args) {
               15
                          Scanner scn = new Scanner(System.in);
                          int n = scn.nextInt();
               16
               17
                          printDigits(n);
               18
                      }
              19 }
```

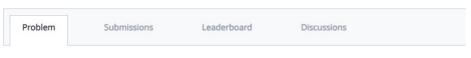
10

11

12

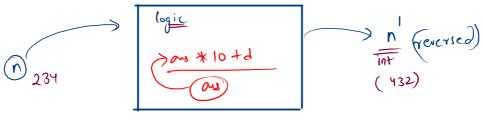
13

Reverse a 3 digit number



Take in a three digit number as an integer input and reverse its digits. And then print the final reversed number as an integer output.

$$= (234) \longrightarrow (432)$$



 $3 \times 10 + 2 \times 1$

$$432 = 4 \times 100$$

$$1 = 2$$

$$2 = 3$$

$$3 = 4$$

$$a_{1} = \frac{432}{3 \times 100} + \frac{32}{40} \times 100 + \frac{31}{40}$$

Sample Input 0



Sample Output 0

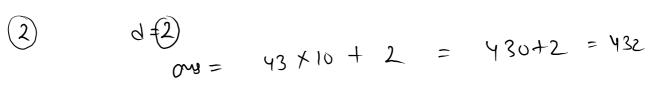
$$n = 234$$
 $d = 4$

$$Goms = ans \times 10 + d = 4$$

$$d=3$$

$$d=3$$
 $n_0 = 4 \times 10 + 3 = 43$

$$ons = 4 \times 10 + 3 = 43$$



$$ow = 43 \times 10 + 2 = 430 + 2 = 432$$

$$n = 562$$

$$\left[ay = \left(\underbrace{ay \times 10 + d} \right) \right]$$

$$ay = \emptyset \times 26 \times 26$$

$$n = 562$$
 $d = 2$
 $ms = 0 + 2$

5 1=5

$$56 d = 6$$
 one = $2 \times 10 + 6$

$$d=2$$
 $ms = 0+2$

oy = 265

2 × 100

```
1 import java.io.*;
2 import java.util.*;
4 public class Solution {
     public static int reverse(int n){
          int ans = 0;
         while(n > 0){
              int d = n % 10;
              n /= 10;
              ans = ans \star 10 + d;
          return ans;
     public static void main(String[] args) {
          Scanner scn = new Scanner(System.in);
          int t = scn.nextInt();
          for(int i = 1; i \le t; i++){
              int n = scn.nextInt();
              int ans = reverse(n);
              System.out.println(ans);
     }
```

10

11

12

13 14 15

16

17

18

19 20

21

23

24 }

Print the final number xyzw...

Problem

Submissions

Leaderboard

Discussions

Take $\bf n$ as an integer input. Then take $\bf n$ digits as integer inputs and form a number from it and print that number as an integer output.

Sample Input 0

4 1 2

Sample Output 0

1236

try by yourself

2

3 (m × 10

o ×1

W

= (123

$$m = d \times 12 \quad 12/3 \quad (1236)$$

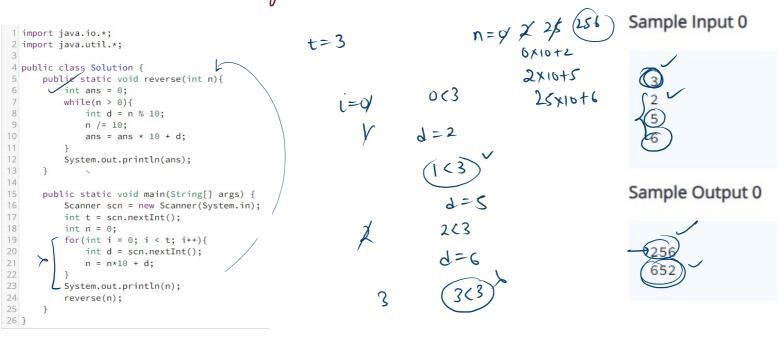
$$d = 1/2 \times 6$$

XINO

$$\left\{\begin{array}{cc} ay = ay \times 10 + d \end{array}\right\}$$

$$= 120 + 3$$

everse n digit number



Rotate 7-digit number to right by three

Problem Submissions Leaderboard Discussions

Take $\bf n$ as an integer input, you have to pick the last $\bf 3$ digits of the number of and put them in the starting.

eg. 1234567 is given, then this number should transform to 5671234.

$$n \to \frac{1234.567}{ab} \Rightarrow 5671234$$

$$m = b \times 10000 + a = ?$$

$$= n / 1000$$

$$= n / 1000$$

```
1 vimport java.io.*;
2 import java.util.*;
                                                            1=1
4 *public class Solution {
                                                                            i=1
6 1
      public static void rotate(int n){
          int a = n / 1000;
8
          int b = n \% 1000;
                                                                      n= 1234567
9
          int res = b * 10000 + a;
10
          System.out.println(res);
11
12
                                                             a = n/1000 = 1234
13 •
      public static void main(String[] args) {
14
          Scanner scn = new Scanner(System.in);
15
          int t = scn.nextInt();
                                                             b= 567
          for(int i = 1; i = +; i++){
16 •
17
             int_n = scn.nextInt();
                                                                             1000
18
             rotate(n);
19
                                                                                           000
20
                                                      5670000
21 }
                                                              (567123 y)
                                                                                              2000
                                                                                                 3 456
3 000
```

$$a = \sqrt{1000} = \frac{12}{345}$$

$$b = \frac{1}{1000} + \frac{1}{2}$$

$$b = \frac{1}{1000} + \frac{1}{2}$$

$$b = \frac{1}{1000} + \frac{1}{2}$$

342 × 100

+ 12

34512

rolate 3

 n_{1000} n_{1000} n_{1000}

n 10°

= (153)

n= 153

eg. 234

$$1 + 125 + 27 = 153$$

$$2^{3} + 3^{3} + 4^{3} = \frac{1}{8 + 27 + 64} \neq 234$$

$$(S)(3)$$

$$= 3\times3\times3 + 5\times5\times5 + 1\times1\times1$$

$$=$$
 27+ 125+1

$$m_{\tilde{t}} = 27 + 125 + 1$$

