$$n = 5$$
 $n = 5$
 $n = 5$

any particular task

inbuilt user-defined Mc D. food/burger Tvoid User

```
netwo type
                       t) findSquare(int x){
       return x*x;
                                                   parameter
public static int findSquare(int x){
   int ans = (x*x)
   return ans;
```

$$\frac{\lambda!}{\lambda!} \frac{(\lambda-\lambda)!}{(\lambda-\lambda)!}$$

$$= \frac{\lambda!}{\lambda!} \frac{(\lambda-\lambda)!}{(\lambda-\lambda)!}$$

Nc 5 ! =

5 x 4 x 3 x 2 x 1

for (n times)

12345

```
public static int factorial(int x){
  int factorial = 1;

  for(int i = 1; i <= x; i++){
    factorial *= i;
  }
  return factorial;
}</pre>
```

```
int factorialN = factorial(5);
int factorialR = factorial(3);

Calling
```

Find sum using a function

You have to first take input of two numbers **x** and **y** as an integer input.

Then make a function **findSum(int x. int y)**, which takes in these two integers as parameters and prints the final **sum**.

Input Format

T will be given as input represents the number of test cases.

For each test case,

23 }

The process goes like:

x will be given as input in the first line,

y will be given as input in the second line.

```
1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
 6
       public static int findSum(int x, int y){
           int ans = x + y;
 8
           return ans;
 9
11
       public static void main(String[] args) {
12
           Scanner scn = new Scanner(System.in);
13
           int t = scn.nextInt();
14
15
           for(int i = 1; i \le t; i++){
               int x = scn.nextInt();
16
               int y = scn.nextInt();
18
19
               System.out.println(findSum(x,y));
21
```

```
20
30 40
```

30

70

t=2.

2

2 testrate

Sample Input 0

Sample Output 0

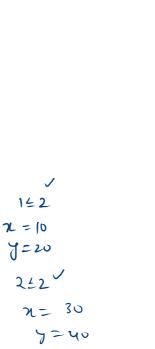
2

10

20

20

40



Factorial of N

13

15

prod=XXXXX24

i=X 1=4

x 2=4

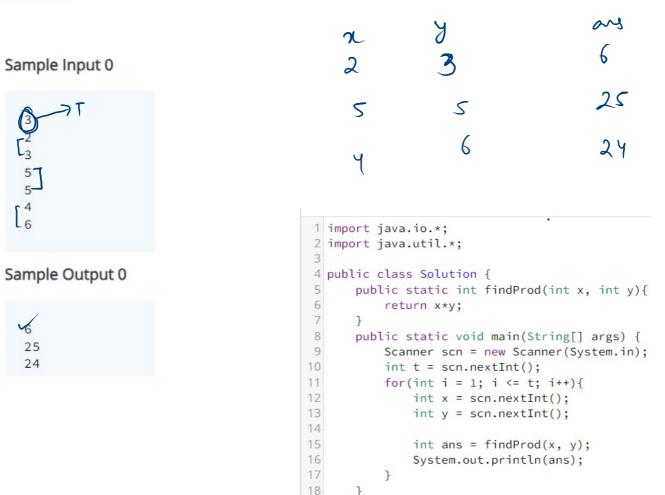
x 3=4

x 4=44

5 6...

```
1 vimport java.io.*;
   import java.util.*;
3
4 public class Solution {
 5
       public static long factorial(int n){
            long prod = 1;
 6
 7
            for(int i = 1; i <= n; i++){
8
                prod *= i;
9
10
            return prod;
11
12 •
       public static void main(String[] args) {
13
            Scanner scn = new Scanner(System.in);
14
            int n = scn.nextInt();
15
            long ans = factorial(n);
16
            System.out.println(ans);
17
18 }
```

Find product of the two numbers using function.



19 }

Swap x and y

Swap x and y

Submissions Leaderboard

Discussions

Take two integers **x** and **y** as an integer input.

Then take an integer data-type variable c, and with the help of c variable swap x and y.

Process:

Problem

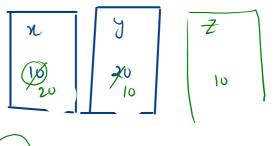
First assign value of x to c and print the string with the help of System.out.println("c = " + c),

Then, assign value of ${\bf y}$ to ${\bf x}$ and print the string with the help of ${\bf System.out.println("x = " + x)}$,

Then, assign value of c to y and print the string with the help of System.out.println("y = " + y).

In the next line print the string with the help of System.out.println("x = " + x),

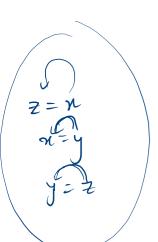
In the next line print the string with the help of System.out.println("y = " + y).

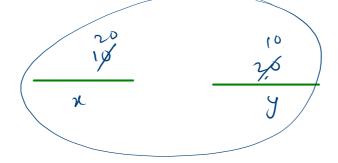


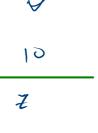
third variable











Swap x and y

Problem

Submissions

Leaderboard

Discussions

Take two integers x and y as an integer input.

Then take an integer data-type variable \mathbf{c} , and with the help of \mathbf{c} variable swap \mathbf{x} and \mathbf{y} .

Process:

First assign value of x to c and print the string with the help of system.out.println("c = " + c),

Then, assign value of y to x and print the string with the help of System.out.println("x = x + x),

Then, assign value of c to y and print the string with the help of c to y and print the string with the help of c to y and y and y are y.

In the next line print the string with the help of System.out.println("x = " + x), In the next line print the string with the help of System.out.println("y = " + y).

```
1 import java.io.*;
2 import java.util.*;
4 public class Solution {
6
      public static void main(String[] args) {
7
          Scanner scn = new Scanner(System.in);
8
           int x = scn.nextInt();
9
           int y = scn.nextInt();
           int c = x:
          System.out.println("c = " + c);
14
          System.out.println("x = " + x);
16
          y = c;
18
          System.out.println("y = " + y);
19
           System.out.println("x = " + x);
          System.out.println("y = " + y);
24
25 }
```

```
= n
print (c = c)
```

Suap 2 numbers without third variable.

$$y = \frac{x - x + y}{3 \cdot x - x}$$

$$y = \frac{x - x + y}{3 \cdot x - x}$$

without third variable.

Jun - max -no

$$3. \quad x = x - y$$

Swap x y z

Problem Submissions Leaderboard Discussions

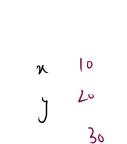
Take in three integer inputs x, y and z. Assign the value of x to y, y to z, z to x. Then print the value of x, y, z in separate lines.

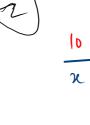
Sample Input 0

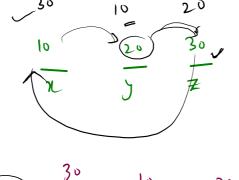
10 20 30

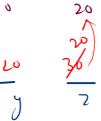
Sample Output 0







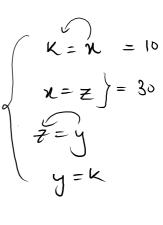


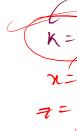




10

K





2

$$8um = 10 + 20 + 30 = 60$$

$$\chi = 19/30$$
 30
 $y = 20/10$ 10
 $z = 30$ 20

```
1 vimport java.io.*;
   import java.util.*;
 3
   vpublic class Solution {
 5
 6
        public static void main(String[] args) {
 7
            Scanner scn = new Scanner(System.in);
8
            int x = scn.nextInt();
9
            int y = scn.nextInt();
10
            int z = scn.nextInt();
11
12
            int k = x;
13
            x = z;
14
            z = y;
15
            y = k;
16
17
            System.out.println(x);
18
            System.out.println(y);
19
            System.out.println(z);
20
21
        }
22
```