**[Which of the following is a valid identifier?](https://www.programiz.com/python-programming/operators)**

**[A. $343](https://www.programiz.com/python-programming/operators)**

**[B. mile](https://www.programiz.com/python-programming/operators)**

**[C. 9X](https://www.programiz.com/python-programming/operators)**

**[D. 8+9](https://www.programiz.com/python-programming/operators)**

**[E. max\_radius](https://www.programiz.com/python-programming/operators)**

**[If you enter 1, 2, 3, in one line, when you run this program, what will be displayed?](https://www.programiz.com/python-programming/operators)**

**[number1, number2, number3 = eval(input("Enter three numbers: "))](https://www.programiz.com/python-programming/operators)**

**[# Compute average](https://www.programiz.com/python-programming/operators)**

**[average = (number1 + number2 + number3) / 3](https://www.programiz.com/python-programming/operators)**

**[# Display result](https://www.programiz.com/python-programming/operators)**

**[print(average)](https://www.programiz.com/python-programming/operators)**

**[A. 1.0](https://www.programiz.com/python-programming/operators)**

**[B. 2.0](https://www.programiz.com/python-programming/operators)**

**[C. 3.0](https://www.programiz.com/python-programming/operators)**

**[D. 4.0](https://www.programiz.com/python-programming/operators)**

**[What is y displayed in the following code?](https://www.programiz.com/python-programming/operators)**

**[x = 1](https://www.programiz.com/python-programming/operators)**

**[y = x = x + 1](https://www.programiz.com/python-programming/operators)**

**[print("y is", y)](https://www.programiz.com/python-programming/operators)**

**[A. y is 0.](https://www.programiz.com/python-programming/operators)**

**[B. y is 1 because x is assigned to y first.](https://www.programiz.com/python-programming/operators)**

**[C. y is 2 because x + 1 is assigned to x and then x is assigned to y.](https://www.programiz.com/python-programming/operators)**

**[D. The program has a compile error since x is redeclared in the statement int y = x = x + 1.](https://www.programiz.com/python-programming/operators)**

**[Which of the following functions return 4.](https://www.programiz.com/python-programming/operators)**

**[A. int(3.4)](https://www.programiz.com/python-programming/operators)**

**[B. int(3.9)](https://www.programiz.com/python-programming/operators)**

**[C. round(3.4)](https://www.programiz.com/python-programming/operators)**

**[D. round(3.9)](https://www.programiz.com/python-programming/operators)**

**[The word True is \_\_\_\_\_\_\_\_.](https://www.programiz.com/python-programming/operators)**

**[A. a Python keyword](https://www.programiz.com/python-programming/operators)**

**[B. a Boolean literal](https://www.programiz.com/python-programming/operators)**

**[C. same as value 1](https://www.programiz.com/python-programming/operators)**

**[D. same as value 0](https://www.programiz.com/python-programming/operators)**

**[random.random() returns \_\_\_\_\_\_\_\_\_\_\_\_.](https://www.programiz.com/python-programming/operators)**

**[A. a float number i such that 0 < i < 1.0](https://www.programiz.com/python-programming/operators)**

**[B. a float number i such that 0 <= i < 1.0](https://www.programiz.com/python-programming/operators)**

**[C. a float number i such that 0 <= i <= 1.0](https://www.programiz.com/python-programming/operators)**

**[D. a float number i such that 0 < i < 2.0](https://www.programiz.com/python-programming/operators)**

**[Which Of The Following Represents A Template, Blueprint, Or Contract That Defines Objects Of The Same Type?](https://www.programiz.com/python-programming/operators)**

**[A. A class  
 B. An object  
 C. A method  
 D. A data field  
  
Which Of The Following Is Required To Create A New Instance Of The Class?](https://www.programiz.com/python-programming/operators)**

**[A. A constructor  
 B. A class   
 C. A value-returning method   
 D. A None method](https://www.programiz.com/python-programming/operators)**

[Arguments to functions always appear within \_\_\_\_\_\_\_\_\_\_.](https://www.programiz.com/python-programming/operators)

[A. brackets](https://www.programiz.com/python-programming/operators)

[B. parentheses](https://www.programiz.com/python-programming/operators)

[C. curly braces](https://www.programiz.com/python-programming/operators)

[D. quotation marks](https://www.programiz.com/python-programming/operators)

[Each time a function is invoked, the system stores parameters and local variables in an area of memory, known as \_\_\_\_\_\_\_, which stores elements in last-in first-out fashion.](https://www.programiz.com/python-programming/operators)

[A. a heap](https://www.programiz.com/python-programming/operators)

[B. storage area](https://www.programiz.com/python-programming/operators)

[C. a stack](https://www.programiz.com/python-programming/operators)

[D. an array](https://www.programiz.com/python-programming/operators)

**[Given the following function header:](https://www.programiz.com/python-programming/operators)**

**[def f(p1, p2, p3, p4)
Which of the following is correct to invoke it?](https://www.programiz.com/python-programming/operators)**

**[A. f(1, 2, 3, 4)](https://www.programiz.com/python-programming/operators)**

**[B. f(p1 = 1, 2, 3, 4)](https://www.programiz.com/python-programming/operators)**

**[C. f(p1 = 1, p2 = 2, p3 = 3, 4)](https://www.programiz.com/python-programming/operators)**

**[D. f(p1 = 1, p2 = 2, p3 = 3, p4 = 4)](https://www.programiz.com/python-programming/operators)**

**[E. f(1, 2, 3, p4 = 4)](https://www.programiz.com/python-programming/operators)**

**[When you invoke a function with a parameter, the value of the argument is passed to the parameter. This is referred to as \_\_\_\_\_\_\_\_\_.](https://www.programiz.com/python-programming/operators)**

**[A. function invocation](https://www.programiz.com/python-programming/operators)**

**[B. pass by value](https://www.programiz.com/python-programming/operators)**

**[C. pass by reference](https://www.programiz.com/python-programming/operators)**

**[D. pass by name](https://www.programiz.com/python-programming/operators)**

**[\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Subjective\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*](https://www.programiz.com/python-programming/operators)**

1. **[What are Dict and List Comprehensions?](https://www.programiz.com/python-programming/operators)**
2. **[What is the difference between list and tuple?](https://www.programiz.com/python-programming/operators)**
3. **[What is the use of the split function in Python?](https://www.programiz.com/python-programming/operators)**
4. **[How do you delete a file in Python?](https://www.programiz.com/python-programming/operators)**
5. **[What is unittest?](https://www.programiz.com/python-programming/operators)**
6. **[What is pass in Python?](https://www.programiz.com/python-programming/operators)**
7. **[What is docstring?](https://www.programiz.com/python-programming/operators)**
8. **[Why do lambda forms in Python not have statements?](https://www.programiz.com/python-programming/operators)**
9. **[What are the built-in type does python provides?](https://www.programiz.com/python-programming/operators)**
10. **[What is namespace in Python?](https://www.programiz.com/python-programming/operators)**
11. **[Explain how to overload constructors or methods in Python.](https://www.programiz.com/python-programming/operators)**
12. **[What is the use of enumerate() in Python?](https://www.programiz.com/python-programming/operators)**
13. **[Explain split(), sub(), subn() methods](https://www.programiz.com/python-programming/operators)**
14. **[How to display the contents of text file in reverse order?](https://www.programiz.com/python-programming/operators)**
15. **[What is multithreading? Give an example.](https://www.programiz.com/python-programming/operators)**
16. **[How instance variables are different from class variables? \](https://www.programiz.com/python-programming/operators)**
17. **[Which methods of Python are used to determine the type of instance and inheritance?](https://www.programiz.com/python-programming/operators)**
18. **[Differentiate between .py and .pyc files?](https://www.programiz.com/python-programming/operators)**
19. **[How do you remove duplicates from a list?](https://www.programiz.com/python-programming/operators)**
20. **[Differentiate between append() and extend() methods. ?](https://www.programiz.com/python-programming/operators)**
21. **[Mention what are the rules for local and global variables in Python?](https://www.programiz.com/python-programming/operators)**
22. **[Mention the use of // operator in Python?](https://www.programiz.com/python-programming/operators)**
23. **[Mention five benefits of using Python?](https://www.programiz.com/python-programming/operators)**
24. **[What is the output of print tuple[1:3] if tuple = ( 'abcd', 786 , 2.23, 'john', 70.2 )?](https://www.programiz.com/python-programming/operators)**
25. **[What is the maximum possible length of an identifier?](https://www.programiz.com/python-programming/operators)**

**[\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Programing\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*](https://www.programiz.com/python-programming/operators)**

1. **[write a program to calculate average ,mean median, mode](https://www.programiz.com/python-programming/operators)**
2. [Write a program which can compute the factorial of a given numbers.The results should be printed in a comma-separated sequence on a single line.](https://www.programiz.com/python-programming/operators)
3. [With a given integral number n, write a program to generate a dictionary that contains (i, i\*i) such that is an integral number between 1 and n (both included). and then the program should print the dictionary](https://www.programiz.com/python-programming/operators)
4. [Write a program which accepts a sequence of comma-separated numbers from console and generate a list and a tuple which contains every number.](https://www.programiz.com/python-programming/operators)
5. [You are required to write a program to sort the (name, age, height) tuples by ascending order where name is string, age and height are numbers. The tuples are input by console. The sort criteria is:](https://www.programiz.com/python-programming/operators)

[1: Sort based on name;](https://www.programiz.com/python-programming/operators)

[2: Then sort based on age;](https://www.programiz.com/python-programming/operators)

[3: Then sort by score.](https://www.programiz.com/python-programming/operators)

[The priority is that name > age > score.](https://www.programiz.com/python-programming/operators)

[If the following tuples are given as input to the program:](https://www.programiz.com/python-programming/operators)

[Tom,19,80](https://www.programiz.com/python-programming/operators)

[John,20,90](https://www.programiz.com/python-programming/operators)

[Jony,17,91](https://www.programiz.com/python-programming/operators)

[Jony,17,93](https://www.programiz.com/python-programming/operators)

[Json,21,85](https://www.programiz.com/python-programming/operators)

[Then, the output of the program should be:](https://www.programiz.com/python-programming/operators)

[[('John', '20', '90'), ('Jony', '17', '91'), ('Jony', '17', '93'), ('Json', '21', '85'), ('Tom', '19', '80')]](https://www.programiz.com/python-programming/operators)

[6. Define a function that can accept an integer number as input and print the "It is an even number" if the number is even, otherwise print "It is an odd number".](https://www.programiz.com/python-programming/operators)

[7. Define a function which can print a dictionary where the keys are numbers between 1 and 3 (both included) and the values are square of keys.](https://www.programiz.com/python-programming/operators)

[8. Define a function which can generate and print a list where the values are square of numbers between 1 and 20 (both included).](https://www.programiz.com/python-programming/operators)

[9. Define a function which can generate a list where the values are square of numbers between 1 and 20 (both included). Then the function needs to print the first 5 elements in the list.](https://www.programiz.com/python-programming/operators)

[10. Write a program which accepts a string as input to print "Yes" if the string is "yes" or "YES" or "Yes", otherwise print "No"](https://www.programiz.com/python-programming/operators)

[11. Write a program, which will find all such numbers between 1000 and 3000 (both included) such that each digit of the number is an even number. The numbers obtained should be printed in a comma-separated sequence on a single line.](https://www.programiz.com/python-programming/operators)

[12. Write a program that accepts a sentence and calculate the number of upper case letters and lower case letters](https://www.programiz.com/python-programming/operators)

[13. Write a program that computes the value of a+aa+aaa+aaaa with a given digit as the value of a.Suppose the following input is supplied to the program: 9 .Then, the output should be:11106](https://www.programiz.com/python-programming/operators)

[14. Define a function that can accept two strings as input and print the string with maximum length in console. If two strings have the same length, then the function should print al l strings line by line.](https://www.programiz.com/python-programming/operators)

[15. Write a program for a calculator given input be user for the arithmetic operators](https://www.programiz.com/python-programming/operators)  Comparison operators
,Logical operators
,Assignment operators
,Identity operators
(is ,is not)

calculation