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| 1. What do you call a value that doesn’t have decimal values? A) A number B) An integer C) A string  Answer: An integer |
| 2. What do you call a value that does have decimal values? A) A float B) A number C) An integer  Answer: A float |
| 3. What data type can only have either a value of True or False? A) A string B) A boolean C) An integer  Answer: A boolean |
| 4. What code would turn the string “1” into an integer? A)str(1) B) int("1") C) float("1")  Answer: int("1")    **1.What is the value of the expression 100 / 25?**   1. 4 2. 4.0 3. 0 4. 25   **View Answer**  Answer : B Explanation: The result of standard division is always float. The value of 100 // 25 (integer division) is 4.  **2. Which one of these is floor division?**   1. // 2. / 3. % 4. None of the above   **View Answer**  Answer : A Explanation: When both of the operands are integer then python chops out the fraction part and gives you the round-off value, to get the accurate answer use, floor division. This is floor division. For ex, 5/2 = 2.5 but both of the operands are integers so the answer of this expression in Python is 2. To get the 2.5 as an answer, use floor division.  **3. What is the output of the following assignment operator**  a = 10  b = a -= 2  print(b)   1. 8 2. 10 3. Syntax Error 4. No error but no output too   **View Answer**  Answer : C Explanation: b = a -= 2 expression is Invalid  **4. Which operator is overloaded by the or() function?**   1. || 2. | 3. // 4. /   **View Answer**  Answer : B Explanation: or() function overloads the bitwise OR operator “|”.  [**1  When Should You Use The “Break” In Python?**](https://www.360digitalgyan.com/when-should-you-use-the-ldquobreakrdquo-in-pythonnbsp)   22 Mar,2019   Reveal Answer  18  0 Comments  0 Likes  Python provides a break statement to exit from a loop. Whenever the break hits in the code, the control of the program immediately exits from the body of the loop.    The break statement in a nested loop causes the control to exit from the inner iterative block  [**2 What Is The Difference Between Pass And Continue In Python?**](https://www.360digitalgyan.com/what-is-the-difference-between-pass-and-continue-in-pythonnbsp)   22 Mar,2019   Reveal Answer  18  0 Comments  0 Likes  The continue statement makes the loop to resume from the next iteration.    Onhe contrary, the pass statement instructs to do nothing, and the remainder of the code executes as usual.  [**3  What Does The Continue Do In Python?**](https://www.360digitalgyan.com/what-does-the-continue-do-in-pythonnbsp)   22 Mar,2019   Reveal Answer  15  0 Comments  0 Likes  The continue is a jump statement in Python which moves the control to execute the next iteration in a loop leaving all the remaining instructions in the block unexecuted.    The continue statement is applicable for both the “while” and “for” loops.  [**4  What is pass in Python?**](https://www.360digitalgyan.com/what-is-pass-in-python)   22 Mar,2019   Reveal Answer  15  0 Comments  0 Likes  Pass means, no-operation Python statement, or in other words it is a place holder in compound statement, where there should be a blank left and nothing has to be written there.  1.Write a code to generate the following pattern: 1 12 123 1234 Answer: The code will be as follows:  count = 1  string1 =' '  while count < 5:  for i in range(1, count+1):  string1 = string1+str(i)  count = count + 1  print(string1)  string1 =' '  2 .What will be the output for the following code?  a = 0  for i in range(5):  a = a+1  continue  print(a)  Answer: 5  3. What would be the output for the following code? Answer: The code:  for item in ('a','b','c','d'):  print (item)  if item == 'c' :  break  continue  print ("challenge to reach here")  4. How would you use a “if ” statement to check whether an integer is even ? Answer: Code  x = int(input("enter number : "))  if x%2 == 0:  print("You have entered an even number")  **Output**  enter number: 6  You have entered an even number  >>>  [**1. What Is A Function In Python Programming?**](https://www.360digitalgyan.com/what-is-a-function-in-python-programming)   22 Mar,2019   Reveal Answer  15  0 Comments  0 Likes   A function is an object which represents a block of code and is a reusable entity. It brings modularity to a program and a higher degree of code reusability.    Python has given us many built-in functions such as print() and provides the ability to create user-defined functions  [**2. What Is The Return Keyword Used For In Python?**](https://www.360digitalgyan.com/what-is-the-return-keyword-used-for-in-pythonnbsp)   22 Mar,2019   Reveal Answer  15  0 Comments  0 Likes  The purpose of a function is to receive the inputs and return some output.  The return is a Python statement which we can use in a function for sending a value back to its caller  [**3.  Is It Mandatory For A Python Function To Return A Value?**](https://www.360digitalgyan.com/is-it-mandatory-for-a-python-function-to-return-a-valuenbsp)   22 Mar,2019   Reveal Answer  20  0 Comments  0 Likes   It is not at all necessary for a function to return any value. However, if needed, we can use None as a return value  [**4.  What Does The Ord() Function Do In Python?**](https://www.360digitalgyan.com/what-does-the-ord-function-do-in-python)   22 Mar,2019   Reveal Answer  21  0 Comments  0 Likes  The ord(char) in Python takes a string of size one and returns an integer denoting the Unicode code format of the character in case of a Unicode type object, or the value of the byte if the argument is of 8-bit string type. |