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**DAY-1 ASSIGNMENT**

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**Python Trainer, CODING WISE {Awarded as** [**BEST IT EDUCATION INSTITUTE**](https://yourbangalore.com/business/codingwise-a-rising-star-in-it-education-for-2023/)**}**

**Assignment Submission Rules**

**1. Deadline Compliance: All assignments must be submitted before the start of the next class. Late submissions will not be accepted unless prior arrangements have been made with the instructor.**

**2. Format and Presentation: Assignments should be submitted in a proper document format (such as .docx, .pdf). Ensure that your document is clearly formatted, legible, and includes your name and class details.**

**3. Integrity and Originality: Your work must be your own. Plagiarism or copying from classmates or other sources is strictly prohibited and will result in serious academic consequences.**

**These rules aim to ensure a fair and organised learning environment for all participants.**

**Objective**

**This assignment is designed to test your understanding of Python's basic syntax, data types, and the print() function. It includes a variety of question types including multiple-choice, fill-in-the-blanks, true/false, a short answer question, and practical coding challenges.**

**Instructions**

* **Read each question carefully and select or provide the correct answer.**
* **For coding questions, ensure your code is clean, well-commented, and follows standard Python conventions.**
* **Complete all questions to the best of your ability.**

**Multiple Choice Questions**

**Q1. What output does the following code snippet produce?**

**print(8, 5, 2023, sep='/')**

**a) 8 5 2023  
b) 8/5/2023  
c) 852023  
d) Error**

**Q2. Which of the following is considered a valid variable name in Python?**

**a) 2things  
b) \_my\_string  
c) try  
d) None of the above**

**Q3. After executing x = 3.5, what data type is x?**

**a) int  
b) str  
c) float  
d) complex**

**Fill-in-the-Blanks**

**Q4. In Python, the \_\_\_\_\_\_ function is utilised to convert a floating-point number to an integer.**

**Q5. The \_\_\_\_\_\_ parameter in the print() function dictates what is printed at the end of the output.**

**Q6. A \_\_\_\_\_\_ type in Python can hold one of two values: True or False.**

**True or False**

**Q7. Variable names in Python are case-sensitive.**

* **True**
* **False**

**Q8. The print() function is limited to printing strings exclusively.**

* **True**
* **False**

**Q9. In Python, the string "100" is equivalent to the integer 100.**

* **True**
* **False**

**Coding Challenges**

**Q11. Develop a Python script to calculate the area of a rectangle. Your program should take the rectangle's length and width, and then display the calculated area.**

**Q12. Write a Python program that converts temperatures from Celsius to Fahrenheit. Use the formula (Celsius \* 9/5) + 32 to perform the conversion.**

**Submission Guidelines**

* **Submit your assignment through the designated link shared in the community before the deadline.**
* **Ensure your code solutions are included in a single .py file (for each question) and are clearly labelled.**
* **Your short answer should be concise, thorough, and submitted as a separate document or in a designated text box, depending on the submission instructions provided.**

**Answers:**

**1.print(8, 5, 2023, sep='/')**

a) 8 5 2023  
b) 8/5/2023  
c) 852023  
d) Error

**Ans: 8/5/2023**

Q2. Which of the following is considered a valid variable name in Python?

a) 2things  
b) \_my\_string  
c) try  
d) None of the above

Ans: None of the above

Q3. After executing x = 3.5, what data type is x?

a) int  
b) str  
c) float  
d) complex

Ans : float

### **Fill-in-the-Blanks**

Q4. In Python, the \_int()\_\_\_\_\_ function is utilised to convert a floating-point number to an integer.

Q5. The \_\_\_end\_\_\_ parameter in the print() function dictates what is printed at the end of the output.

Q6. A \_\_\_\_boolean\_\_ type in Python can hold one of two values: True or False.

### **True or False**

Q7. Variable names in Python are case-sensitive.

* True
* False

Ans: True

Q8. The print() function is limited to printing strings exclusively.

* True
* False

Ans: False

Q9. In Python, the string "100" is equivalent to the integer 100.

* True
* False

Ans: False

**Coding Challenges**

**Q11.** Develop a Python script to calculate the area of a rectangle. Your program should take the rectangle's length and width, and then display the calculated area.

Volume=l×b×h

Program 👍

def rec(l,b,h):

vol = l\*b\*h

return vol

print(rec(5,6,3))

**Q12.** Write a Python program that converts temperatures from Celsius to Fahrenheit. Use the formula (Celsius \* 9/5) + 32 to perform the conversion.

F=9/5×C+32

def temp(Celcius):

Fahrenheit=9/5\*Celcius+32

return F

print(temp(70))