**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

Answer: option (b)

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

Answer: option(b)

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

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

answer : option(c)

**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

Answer: True

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

* True
* False

Answer : False

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

* True
* False

Answer: False

**Coding Challenges**

**Q11.** Develop a Python script to calculate the area of a rectangle. Your program should prompt the user to input 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. The program should ask for the temperature in Celsius and output the corresponding temperature in Fahrenheit.

**Q13.** Implement a Python application that requests the user's name and age. The program should then calculate and inform the user of the year they will turn 100 years old.