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**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Grade: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Grade 7 Computing Practice Worksheet**

### **Question 1: Convert the following requirements into an algorithm.**

a. User enters three numbers. Add the first two numbers. Multiply the third number with the sum of the first two numbers. Display the result.

b. User gives a number. Multiply it by 5 and subtract 12. Display the result.

### **Question 2: Identify valid/invalid variables. [5]**

a. 9total \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. first\_name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. data \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d. user123 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e. my-variable \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### **Question 3: Convert these requirements using Python commands.**

a. Create a variable employee\_name and assign it the value "Ali". Display "Welcome to" followed by the variable.

b. Create a variable price and assign it a value 200. Add 50 to it and divide by 5. Display the answer.

### **Question 4: Identify and correct errors in the following Python code.**

username = input("Enter your name")

Print("Hello” username)

AGE = input(Enter your age)

Print(age)

### **Question 5: Convert the following requirement to a python program**

1. Ask the user to enter their favorite color and display it. Then, ask the user for their favorite number and display it along with a message "Great choice!".
2. User enters three numbers. Add the first two numbers. Subtract the third number from the sum of the first two numbers. Display the answer in the form of”The answer is:”,<answer>

### **Question 6: Fill in the blanks.**

a. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a text-based programming language.

b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a value that does not change.

c. A variable in Python always starts with a \_\_\_\_\_\_\_\_\_\_\_\_.

d. To print output in Python, we use the command \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

### **Question 7: Color Coding in Python.**

* The keyword input appears in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ color.
* The string "Aliya" appears in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ color.
* A variable score appears in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ color.
* The output of a print statement appears in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ color.
* A syntax error appears in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ color.