**Type the answer to each question below. Try them by memory first, then look up the ones for which you are not confident.**

1. Where do the program comments go?
2. Write the program comments (3 lines) each program should begin with.
3. What is the purpose of the print() function?
4. What are the three data types we learned so far? Give an example of each type.
5. What is the purpose of the type() function?
6. What character is used in Python to designate a comment?
7. Give an example of a name error.
8. T/F Python follows the same order of operations as used in math class.
9. Name the order of operations used in Python.
10. Describe the purpose of a variable?
11. What error occurs when we capitalize the “P” in the print function?
12. What error occurs when we forget to include quotations around the characters?
13. T/F Single quotations can be used to identify a string.
14. T/F The programmer can change variable values from one data type to another.
15. Correct this code to print the datatype of 1024: print(type“1024”)
16. What is the purpose of the input() function?
17. What is the term for the “=” in this code: FirstName = Ben
18. Write the output for this code: print(“I need” + “4”, “hamburgers and”, “6”, “hotdogs”).
19. What always returns a string value?
20. Write the code for the type() function to get the type() for: 2468 and “cartoons are funny”. Also, indicate the result for each.
21. Explain the purpose of casting
22. Show example of changing an integer to a float
23. Write the code to subtract 180 from 365 to determine the number summer days.
24. T/F Can Python display quotes in strings using print()?
25. Explain the difference between .isupper() and .upper().
26. Explain the purpose of each of the 7 Boolean methods we used to test strings.
27. Explain the 5 methods we used to format strings.
28. Write the code to calculate the exponent of a number.
29. ASCII Character art: Create your own personal logo to add to your programs. Initials, pictures, etc.
30. Have students write out the **algorithm** to complete the Long Jump Program below.
31. Have students complete a simple Long Jump Program using the methods we have used so far (print(), input(), and type(). This program should get user input for first name and four long jump distance numbers and using that input calculate the sum of the four numbers and the average long jump distance of the four numbers. Display an appropriate message of your choice that includes the sum and the average and concatenates with string literals.

*Output example:* Congratulations, Ginny, your four jumps were: 11.0, 10.5, 14.0, and 15.0 feet. They totaled 50.5 feet and averaged 12.625 feet.