Computer Programming Honors Summer Assignment

Define the following vocabulary terms. You should be familiar with all if not most of them by the beginning of the school year. Also, answer the short answer questions below. This assignment will count as a quiz grade and will be due on the first day of school, **9/7/2023**. You must complete each question and define each word to the best of your ability in relation to computing. You may use the internet to help you with this part of the assignment and you are encouraged to do so. You are not expected to know the answers without some research. You will submit this as a google doc in google classroom attached to the assignment on the first day of school. Please submit the google form for the multiple-choice questions.

1. Algorithm
2. Argument
3. Array
4. Assembler
5. Assembly language
6. Assignment
7. Bit
8. Block
9. Block comment
10. Brackets
11. Bug
12. Byte
13. Call
14. Cable modem
15. Central processing unit (CPU)
16. Class
17. Comment
18. Comment out
19. Compiler
20. Computer
21. Concatenation
22. Constant
23. Control Flow
24. Crash
25. Data structure
26. Data type

27. Debug
28. Declaration
29. Definition
30. Double
31. Execute
32. Executable
33. Float
34. Function
35. Function call
36. GUI
37. Hardware
38. High-level language
39. IDE
40. Implement
41. Instance
42. Instance variable
43. Instantiate
44. Integrated Development Environment (IDE)
45. Integer
46. Interpreter
47. Invoke
48. Iterate
49. java command
50. Java Development Toolkit (JDK)
51. Java Virtual Machine (JVM)
52. Keyword
53. Line comment
54. Logic error
55. Logical Operation
56. Loop
57. Low-level language
58. Machine language
59. Main method
60. Member function
61. Member variable
62. memory
63. Method
64. Nested

65. Object
66. Object-oriented
67. Parameter
68. Parenthesis
69. Procedure
70. Program
71. Programming
72. Read
73. Recursion
74. Return
75. Return value
76. Run
77. Runtime error
78. Software
79. Source code
80. statement
81. String
82. Syntax
83. Syntax error
84. Type
85. Value
86. Variable
87. Write

Questions - please put the answers to these in the google form - https://forms.gle/1fDqjhqp6ecvsGvw8:

1. A _____ is an electronic device that stores and processes data.

2. A computer includes both _____ and _____.

3. _____ is the physical aspect of the computer that can be touched.

4. Computer _____, known as _____, are the invisible instructions that control the hardware and make it perform tasks.

5. Computer _____ is the writing of instructions for computers to perform.

6. The _____ is a computer's brain. It retrieves instructions from _____ and executes them.

7. A _____ is a binary digit 0 or 1.

8. A _____ is a sequence of 8 bits.

9. A _____ is about 1,000 bytes, a _____ about 1 million bytes, a _____ about 1 billion bytes, and a _____ about 1,000 gigabytes.

10. The _____ is a set of primitive instructions built into every computer.

11. _____ is a _____ in which a mnemonic is used to represent each machine-language instruction.

12. _____ are English-like and easy to learn and program.

13. A _____ is a software program that translates the source program into a _____ program.

14. _____ have a specific meaning to the compiler and cannot be used for other purposes in the program.

15. In Java, comments are preceded by two slashes (//) on a line, called a _____, or enclosed between /* and */ on one or several lines, called a _____.