**Computer Science Principles Pre-Assessment** Name:

**Computer Fundamentals**

1. In the home-row style of typing, which key does the right index finger initially hover over / rest on?
   1. S
   2. J
   3. C
   4. R
2. What is the keyboard shortcut to save progress in a Word document?
   1. Ctrl + Shift + O
   2. Alt + U
   3. Ctrl + S
   4. Ctrl + Alt + W
3. How do you search for a program on a Windows computer?
   1. Ask Siri
   2. Use the search bar on the toolbar or in the start menu
   3. Look on the desktop; if it isn’t there, then it isn’t installed
   4. Right click on the desktop, select “New Program”, and type the name of the program you’re looking for
4. How do you fix a keyboard that is typing in all caps?
   1. Replace the keyboard
   2. Decrease the font size
   3. Press shift while typing
   4. Turn off caps lock
5. Which of the following is a programming language?
   1. Coffee
   2. Espresso
   3. Java
   4. Latte

**The Java Programming Language Part 1**

1. Which of the following is **NOT** a primitive data type?
   1. String
   2. Int
   3. Float
   4. Char
2. Which of the following depicts an **IF** statement?
   1. if(condition){code}
   2. if[condition]{code}
   3. if{condition}{code}
   4. if(condition) code
3. How do you create an integer variable, called myInteger, whose initial value is 10?
   1. int myInteger = 10;
   2. integer myInteger = 10;
   3. createVariable(“integer”, “myInteger”, 10);
   4. Java doesn’t have an integer data type
4. What method is called whenever an instance of a class is created?
   1. Constructor
   2. Destructor
   3. Initiator
   4. Creator
5. What is the value returned by the following method?

bool returnTrue(){return false;}

* 1. True
  2. False
  3. 0
  4. 1

**Binary Logic**

1. Given A = TRUE, what is the value of NOT A?
   1. TRUE
   2. FALSE
2. Given A = TRUE and B = FALSE, what is the value of A AND B?
   1. TRUE
   2. FALSE
3. Given A = TRUE and B = FALSE, what is the value of A OR B?
   1. TRUE
   2. FALSE
4. Given A = TRUE and B = FALSE, what is the value of A XOR B?
   1. TRUE
   2. FALSE
5. Which of the following is **NOT** a binary operator?
   1. AND
   2. OR
   3. XOR
   4. NOT

**The Java Programming Language Part 2**

1. Which of the following depicts the creation of a new instance of the Dog class named myDog?
   1. Dog myDog = new Dog();
   2. myDog = Dog;
   3. myDog Dog = Dog();
   4. Dog myDog = new Dog;
2. How would you invoke the Bark method on a Dog object named myDog?
   1. myDog->Bark();
   2. myDog.Bark();
   3. Bark.myDog();
   4. Bark()<-myDog;
3. Which of the following depicts the creation of a 10-element integer array named myArray?
   1. IntArray myArray = new IntArray(10);
   2. myArray = new int(10);
   3. myArray = 10;
   4. int[] myArray = new int[10];
4. Which for loop header would execute 10 times?
   1. for(int x = 0; x < 10; x++)
   2. for(int x = 1; x <= 10; x++)
   3. for(int x = 10; x >= 1; x--)
   4. for(int x = 10; x > 0; x--)
5. Will the following do-while loop ever terminate?

do{} while(true)

* 1. Yes
  2. No