**Java Basics Quiz**

1. What is an assignment statement?
   1. Adding a number to an int
   2. Assigning a multiplication
   3. Assigning a name to a variable
   4. Assigning a value to a variable
2. OOP means …
   1. Being objective about what you develop
   2. Designing the application based on the objects discovered when analyzing the problem
   3. Writing an algorithm before writing your program and having a test plan
   4. Writing a program composed of Java classes
3. Choose the appropriate data type for this field: isSwimmer
   1. double
   2. boolean
   3. string
   4. int
4. If you want your condition to depend upon two conditions BOTH being true. What is the proper notation to put between the two Boolean statements
   1. !
   2. ||
   3. &&
5. Following code will result in: int num = 6.7;
   1. Compilation error
   2. Runtime error
   3. num being 6.7
   4. num being 6
6. An object could be …
   1. Anything
   2. An algorithm
   3. A data container
   4. A program

**Java Array Quiz**

1. If we declare int [] arr = {1, 2, 3, 4, 5, 6}; The size of array arr is:
   1. 0
   2. 5
   3. 6
   4. 7
2. Given the declaration: int [] arr = {1, 2, 3, 4, 5}; What is the value of arr[4]
   1. 2
   2. 3
   3. 4
   4. 5
3. What is the highest index value associated with the array that follows?

byte[] values = new byte[x]

* 1. 0
  2. x
  3. x-1
  4. x+1

1. What numbers does the code that follows print to the console?

int[] numbers = {1,2,3,4,5,6,7,8,9}

for(int i = 0; i < 8; i++){

system.out.println(numbers[i]);

}

1. 1-9
2. 1-8
3. 2-8
4. 2-9
5. Which of the following, if any, is an invalid array declaration?
   1. String[] names = new String[5];
   2. String[] names = new String[0];
   3. String names[] = new String[10];
   4. All are valid
6. Which of the following state ments gets the number of integers in the array that follows?

int[] customers = new int[55]

* 1. int size = Arrays.size(customers);
  2. int size = customers.length();
  3. int size = customers.size;
  4. int size = customers.length;

1. What will be the output of the following code?

Int[] arr = new int[9]

System.out.println(arr[0]);

1. 0
2. Error because array is not initialized
3. Error because index must be greater than 0
4. Error because index is out of range

**Java OOPs Quiz**

1. Two or more methods with same name in the same class with different arguments is called as
   1. Method overriding
   2. Method overloading
2. What are the two common characteristics shared by all objects?
   1. Methods and interfaces
   2. State and behavior
   3. Methods and messages
3. What really happens when a message is sent to an object?
   1. A method is called on that object
   2. A member variable is set for that object
   3. A text string is assigned to the object.
4. When a class is based on another class, it inherits
   1. The data and methods for the class
   2. The methods and messages for the class
   3. Only the data for the class
5. OOP promotes a way of programming that allows programmers to think in terms of:
   1. Data
   2. Procedures
   3. Objects
6. What is a template, or specification, that defines a type of object?
   1. A class
   2. A prototypes
   3. A framework
7. An object that has more than one form is referred to as
   1. Inheritance
   2. Interface
   3. Abstract class
   4. Polymorphism

**Fill the correct words in to each question:**

1. Real-world objects contain … and …
2. A software object's state is stored in ...
3. A software object's behavior is exposed through ...
4. Hiding internal data from the outside world, and accessing it only through publicly exposed methods is known as data ...
5. A blueprint for a software object is called a ...
6. Common behavior can be defined in a … and inherited into a … using the … keyword.
7. A collection of methods with no implementation is called an ...
8. A namespace that organizes classes and interfaces by functionality is called a ...
9. The term API stands for … … ...