Assignment 1

**Question 1: Variables**

How do you declare an integer variable named count in Java?

A) int count;

B) integer count;

C) count = int;

**Question 2: Functions**

What is the role of functions in Java?

A) To declare variables

B) To define the structure of a class

C) To encapsulate logic and provide reusability

**Question 3: Keywords**

Which keyword is used to define a method that can be accessed without creating an instance of the class?

A) static

B) void

C) public

**Question 4: Data Types**

What is the data type of the result variable in the following method signature: static double calculateAverage(int[] numbers)?

A) int

B) double

C) String

**Question 5: Variables**

How do you initialize a string variable named name with the value "John" in Java?

A) name = "John";

B) string name = "John";

C) initialize name to "John";

**Question 6: Functions**

In a function declaration, what does the return type specify?

A) The name of the function

B) The type of value the function returns

C) The number of parameters

**Question 7: Keywords**

Which keyword is used to make a variable unchangeable (constant) in Java?

A) const

B) static

C) final

**Question 8: Data Types**

What is the data type of the args parameter in the main method: public static void main(String[] args)?

A) int[]

B) String

C) void

**Question 9: Variables**

How do you declare a constant variable named PI with the value 3.14 in Java?

A) const double PI = 3.14;

B) double PI = 3.14;

C) final double PI = 3.14;

**Question 10: Functions**

What is the purpose of the static keyword in a method declaration?

A) It makes the method unchangeable.

B) It allows the method to be accessed without creating an instance of the class.

C) It specifies the data type of the method.