**Assignment Lesson 4**

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**Question 1**

Below are the programming langauges classified under the specified category headings given.

**Application and Program development**

SQL

C#

C++

C

Python

Dart

**Artificial intelligence**

Matlab

C++

Python

Lisp

C

**Database development**

Haskell

SQL

XML

dBase

COBOL

Perl

Java

**Game Development**

Swift

C#

Java

JavaScript

**Computer deivers and hardware development**

C++

Algol

Lisp

C

Nim

Swift

Rust

Assembly

**Internet and web page development**

JavaScript

HTML

Java

Python

Go

C#

Ruby

Go

ActionScript

PHP

Rust

Babel

CSS

**Question 2:**

Below are the programming langauges classified under the specified category headings given.

**Procedural Prgramming Langauges**

Go

C

C++

Basic

Javascript

Ada

MATLAB

Curl

**Fuctional Programming Langauges**

Curry

Haskell

C#

Dart

Curl

Lisp

Perl

Python

PHP

Kotlin

Julia

Nim

F#

Scala

Rust

Ruby

Swift

Tcl

**Scripting Programming Langauges**

PHP

JavaScript

Python

Perl

BeanShell

R

PHP

Lua

Python

Julia

Ruby

**Logic Programming Langauge**

Prolog

Curry

**Object Oriented Programming Langauges**

C++

Java

Python

C#

Ruby

Scala

Ada

Java

PHP

Lua

**Question 3**

The expression of “image2” in C# format is as shown below

**y = i - ((f^n \* (((s\*i)/f) + (20/f))^w) / 20^n)**

**Question 4**

int a = 10;

int b = 20;

int c = 30;

**Case 1:** a == b //This returns false because 10 is not equal to 20

**Case 2:** c > a+b-c //This returns true because 30 is greater than 0 (which is a+b-c)

**Case 3:** c – b == a? //This returns true because 10 (c-b) is equal to 10 (a)

Case 1 && Case 2 && Case3 = **false**