

Assignment Lesson 4

Name: Hycient Onyeukwu

Question 1

Below are the programming languages 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 drivers 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 languages classified under the specified category headings given.

Procedural Programming Languages

Go
C
C++
Basic
Javascript
Ada
MATLAB
Curl

Functional Programming Languages

Curry
Haskell
C#

Dart
Curl
Lisp
Perl
Python
PHP
Kotlin
Julia
Nim
F#
Scala
Rust
Ruby
Swift
Tcl

Scripting Programming Languages

PHP
JavaScript
Python
Perl
BeanShell
R
PHP
Lua
Python
Julia
Ruby

Logic Programming Language

Prolog
Curry

Object Oriented Programming Languages

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`