****

**Session 1**

**28/8/2022**

**Task 1:**

* What is the Object Oriented Design?

-Is the process of using an object oriented to design a computing system & application

-OOD used in designing the system architecture & layout

-Developed to improve the accuracy of the code

-This technique enables the implementation of software based on objects

* Where it used?

used to create software that solve the real-world problem

* Who use it?

Software engineer

**Task 2:**

* What is the operating system core languages?

C/C++

**Task 3:**

* What is the first programming languages? [[2]](#re_2)

1. Ada(1883)
2. Assembly(1949)
3. Autocode(1952)
4. FORTRAN(1957)
5. Algol(1958)
6. COBOL(1959)
7. LISP(1959)
8. BASIC(1964)
9. Pascal(1970)
10. Smalltalk(1972)

**Task 4:**

* What Is the types of programming languages?

1. Concatenative
2. Concurrent
3. Declarative
4. Commend line interface
5. Machine
6. Procedural
7. Markup
8. scripting

**Task 5:**

* What Are the programming languages which like python?[[3]](#re_3)

Peregrine is a programming language that is like Python, but the execution of this programming language is similar to that of C. Although the Python programming language was easy to use, the programming language is a bit slow

**Task 6:**

* List 10 open source languages and 10 not open source languages

|  |  |
| --- | --- |
| **Open Source** | **Not Open Source** |
| JavaScript | C++ |
| Python | C |
| R | C# |
| Kotlin | F# |
| PHP | Java |
| Ruby | Swift |
| Perl | Objective c |
| TypeScript | SQL |
|  |  |

**Task 7:**

* Advantages of JavaScript compared with all languages

Link between front end & backend

**Task 8:**

* What is the fragmentation?

As processes are loaded and removed from memory, the free memory space is broken into little pieces

**References:**

1. [**https://yo****utu.be/mhpslN-OD\_o**](https://youtu.be/mhpslN-OD_o)
2. [**https://content.techgig.com/techn****ology/all-about-peregrine-a-python-like-programming-language/articleshow/90047531.cms**](https://content.techgig.com/technology/all-about-peregrine-a-python-like-programming-language/articleshow/90047531.cms)