**Session 1**

**Task 1:**

* What is the Object Oriented Design?

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

-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 soft are 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?

1. Ada
2. Assembly
3. Autocode
4. FORTRAN
5. Algol
6. COBOL
7. LISP
8. BASIC
9. Pascal
10. Smalltalk

**Task 4:**

* What Is the types of programming languages?

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

**Task 5:**

* What Is the programming languages which similar to python?

Julia

**Task 6:**

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

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

**Task 7:**

* Advantages of JavaScript

1-Speed

2-Simplecity

3-popularity

4-Extended Functional

**Task 8:**

* What is the fragmentation?

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