***Tasks Session One***

* What is OOD? Why do we use it? Who uses it?
* Object-oriented design is the process of using an object-oriented methodology to design a computing system or application. This technique enables the implementation of a software solution based on the concepts of objects.

* The goal is to break down the problem or the system into smaller units, called objects, that can stand on their own and be changed without affecting the ones around them too much. This makes it easy to add functionality and behavior and allows the system to accept change gracefully.

* Software Engineers who have big projects.

* What is the operating system's core language?
* OS is an intermediary between hardware and applications programs because apps cannot deal with hardware directly.
* Kernel is the core of operating systems and is a system for container-based virtualization.
* OS can be written in any language but in practice, a kernel is written in Assembly language, C, or a combination of the two.
* What are the first 10 programming languages that appeared?
* Lovelace
* Assembly
* Auto Code
* Fortran
* Algol
* Cobol
* Lisp
* Basic
* Pascal
* Smalltalk

* What is the type of language that we could use in giving instructions?

* All types of languages are created to give instructions for machines to do it, but the type of language that deals with the machine directly is machine language.

* What is the new programming language that has the same syntax as python and is as fast as C?

* Peregrine
* List 1o programming languages open source and 10, not open source.
* Open sources

1.JavaScript

2. Python

3.PHP

4. Swift

5. R Programming

6.C++

7. Go

8. Kotlin

9. Scala

10. Ruby

* Not open sources

1.VBScript

2. C#

3. Matlab

4. Microfocus COBOL

5. IBM’s mainframe

6. AIX

7. Linux

8.LabVIEW

9. ABAB

10. PL/SQL

* What are JavaScript advantages?

1. JavaScript is created to run on browser, this gives it spatial in speed.
2. It is a dynamic language so we can deal with it easily.
3. Using JavaScript with a front-end makes pages interactive with users.
4. It solved the problem of developing software for companies that they did not have to modify the program with distinct functions for each JavaScript operating system. It unified all operating systems so that they modified these programs only once for all operating systems.

* What is fragmentation?