Session 1
28-08-2022

Content

Basics:

1. **Programming**
2. **Data Structures**
3. **Algorithms**
4. **OOP**
5. Software Engineering
6. Operating systems
7. System Analysis
8. Database
9. Network

Programming Languages Types:

- High level
- Low level

- Compiled
- Interpreted

- Programming
- Scripted

- Open source
- Not open source

- Support OOP
- Not supporting OOP

- Typed
- Not typed

- General purpose
- Specific purpose

Tasks

Task 1

What is OOD? why we use it? who use it?

Task 2

What is the operating system core language?

Task 3

What are the first 10 programming languages appeared?

Task 4

What are the type of languages that we could use in giving instructions?

Task 5

What is the new programming language that have the same syntax of python and as fast as C?

Task 6

List 1o programming languages open source and 10 not open source

Task 7

What are JavaScript advantages?

Task 8

What is fragmentation?

Note: In addition to the personalized task of each one

Programs to be downloaded:

1. Anaconda
2. Cmder
3. Git Bash
4. Postman