Games   Skype   Instagram

Types of Applications
- Static Application
- Dynamic Application
  - Static Application → HTML and CSS
  - Dynamic Application → JavaScript

Types of Applications
- Monolithic Applications
  - changes in project is difficult
- MicroSerivce
  - chnages in the project is simple and clear

Ecommerce (MicroService)
- Mobiles
- Clothes
- Toys
- Kitchen

Ecommerce (Monolithic)
- Mobiles
  Clothes
  Toys
  Kitechen

Types of Programming Languages
- Low Level Language
  - High Level Language
    - Midlevel Langugae
    - C and C++
  - C
  - C++
  - Java
  - Python
  - JavaScript
- Byte Code 0 and 1
- Assembly Language

Types of Translators
- Compiler
  - Reads the Source Code and Converts to the byte code
    Eg : 1 to 100 Lines
    - .class
      - Interpreter
        - output
- Interpreter
  - Executes the Source Code line by line
    - output

Java
- Compiler
- .class
- Interprter

Python
- Interpreter

JavaScript
- Interpreter

Three Tier Architecture
- Presenttaion Layer / Client Side / Front End
  - HTML
    - CSS
      - Bootstrap
        - JavaScript (Clinet SIde)
          - React F/M
          - Angular F/M
          - Vue Js
          - Next JS
- Middleware / Backend / Server Side
  - Java
  - Python
  - Node (JavaScript Server Side)
- Database
  - SQL
    - MySQL
      - PostgreSQL
  - NoSQL (JSON)
    - MongoDB

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1. Types of Programming Languages

   1.1. Low Level Language

      1.1.1. High Level Language

         1.1.1.1. Midlevel Langugae

         1.1.1.2. C and C++

      1.1.2. C

      1.1.3. C++

      1.1.4. Java

      1.1.5. Python

      1.1.6. JavaScript

   1.2. Byte Code 0 and 1

   1.3. Assembly Language

2. Types of Applications

   2.1. Monolithic Applications

      2.1.1. changes in project is difficult

   2.2. MicroSerivce

      2.2.1. chnages in the project is simple and clear

3. Types of Applications

   3.1. Static Application

      3.1.1. HTML and CSS

   3.2. Dynamic Application

      3.2.1. JavaScript

4. Three Tier Architecture

   4.1. Presenttaion Layer / Client Side / Front End

      4.1.1. HTML

         4.1.1.1. CSS

            4.1.1.1.1. Bootstrap

               4.1.1.1.1.1. JavaScript (Clinet SIde)

                  4.1.1.1.1.1.1. React F/M

                  4.1.1.1.1.1.2. Angular F/M

6.1.1.1.1. Interpreter

6.1.1.1.1.1. output

6.2. Interpreter

6.2.1. Executes the Source Code line by line

6.2.1.1. output

7. Java

7.1. Compiler

7.1.1. Interprter

7.2. .class

8. Ecommerce (MicroService)

8.1. Mobiles

8.2. Clothes

8.3. Toys

8.4. Kitchen

9. Ecommerce (Monolithic)

9.1. Mobiles Clothes Toys Kitechen

10. Python

10.1. Interpreter

11. JavaScript

11.1. Interpreter