Lecture 01-30-2024

A compiler runs faster Ex JAVA

Interpreted runs slower Ex Python

Moore’s law computer is faster, combability is greater, cheaper

Data Hierarchy 1s and 0’s

Field names characters and words

Database

Operating systems user interface set of code is moved from hard drive to RAM

Task Manager **CTRL+Alt+Del** %processed Percentage ect.

Lynux Mac OS Windos Dos IOS Android(Chromebook)

**Different Programming Languages**

Fortran Formula translator

Cobol Common Business Oriented Language

Pascal structured programming

Ada based on Pascal

Objective C

Visual C#

PHP interface language website

Never get interface in database

Perl

Python

JA

Ruby on Rails Graphic unique mix

Java

**Chapter 1.8**

Java founded 1991

Libraries Classes faces packages

Scanner packages –> methods

Abstraction level-hiding details

API Application Programming Interfaces

**Chapter 1.9**

Edit Phases -Text File .java file

Compile- turns .java file ->.class file

Javac file1.java

Loads

Verify - will not corrupt host computer

Execute- run file Java machine is invoked

Java file1

Go to Command Prompt

Change directory – cd

Compile command javac filename.java

Executes java filename

-Compile Error crashes

-Syntax

-Logic

-Runtime crashes