

CSC 212 - FORTRAN

Computer Hardware: Physically visible parts of the computer you can see.

Computer Software: The invisible part of the computer, that are ported into the hardware to enable it perform various functions.

Assignment

1. Go and find out for me 20 examples of OS.
2. 50 examples of high level programming languages year created, and company or individuals who created it.
3. 20 examples of computer packages.

CHAPTER 2

Introduction To Fortran Programming Concepts.

1 Problem Definition and

Things to do before writing a program to solve a problem:

Analysis

2. Decide on an algorithm that can solve the given problem.

* An algorithm is a sequentially arranged set of instructions that can be followed mechanically.

3. Draw a flow chart:

Convert your algorithm to a diagram form.

4. Choose a language

5. Start Coding

6. Use keyboard to enter code to computer.

7. Compilation and Debugging.

8. Run (Execute) Program

9. Post Execution Stage.

Classification of Errors.

In programming there are 3 classes of errors:

1. Compilation Error (Syntax)

7. Execution (Runtime) error

8. Logical error

Program Flow Chart

Flowcharts are diagrammatic representation of a program.

Program writing is not a one man job, it's something done by a team.

Assignment 1

4. Give me 30 flow chart symbols.

Note: The Assignments are to be submitted next week.

2. There are 4 assignments oh.