Assignment-A2

Title! Pass-II of Two pass assembler

Problem Statement:

Japlement pass-IT of two pass assemblers for pseudo-machine in force using object oriented features.

The output of assignment - I should be reput lip of this assignment.

Objective to Objec

@ Harolle tools like LEX & VHCC

6 Understand the operating System in ternals of functionalities with the Emplementation point of view.

H/W & S/W!
System with 64 bit 05,

Eclipse, Java 13 & 25 machines.

Theory:- Assembler Ps a program which convers assembly language in--structions thto mechine language form A tree pess assembler takes two scars of some code to produce the machine code to produce the machine code from ascembly language Assembly process consists of following O convert memories to their machine language operate equivalent

O convert symbolic operands to their machine address machine address 3 Translate data constants ento internal machine representation. Object the object program & proud other information required for linker & loader Pass-II tasks: O Generate excede data values defined Dy Assembles Instructions (generale speade & look up address).

3) Perform processing of assembler directives coot done in pass-I) (Write the object program & the assembly tosting. Algorithm 1-@ Read Protesmediate coole file generated (2) Search symbol & literal tables to use in machine code generation 3) Generate machine code State diagram !state dragram (Pass-II)

Conclusion:
The have learnt & successfully
emplemented the pass-It assembler.