	ROLL NO: 33231
	Roll No: 33231 Name: Prajakta Keer Date Page
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	ASSIGNMENT 1
	Title: Pass I of two pass assembles
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	Problem Statement: Wrête a program to implement Pass-I of
	two pass assembler for symbols and literal processing
	considering following cases:
10	1) Forward referencing
	2) DC and DS statements
1	3) START, EQU, LTORG, END
	4) Erron Handling
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	Objective: To study basic translation process of assembly language
	Objective: To study basic translation process of assembly language to machine learning using hypothetical instruction set.
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10-	Theory: A language translator bridges on execution gap to
	machene language of company system. An assembler is a
1	Theory: A language translator bridges on execution gap to machine language of company system. An assembler is a language translator whose source language is assembly
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1	John Orange Anne with base of the time
	Design of Pais I of two pais assembler
	Tasks performed are as follows:
	OAYX SED LORD ET LAND
	Pass-I
٥	Seperate the symbol, mnemonic, opcode and operand fields
	Determine the storage-required for every ascembly language
	statement and update the location counter
	Build the symbol table and Ifteral table.
	construct the intermediate code for every assenbly language
	statement.
	AUST HE SHOULD SE
	Data Structure Required for Pare I
1	Source file containing assembly program
3	DRIAB : It has tollowing hields
2)	OPTAB: It has following fields