EXPERIMENT NO. 5

Ain: writer a program for implement mree Address code

Theory: provee address code crad is a low level intering diate representation used in compileis & interpreters for representing statement in a program. It's designed to be simple + easy to manipulate, making it a convenient from various optimization + vode generation tesses. En 1990, each instruction typically contains three addresses, hence the name "three address code". sometime control flow targets. The format of a opplicatly the instruction is: X

there, mesult is the variable that will store the result of the operation specified by 'operator' on 'operand 1' 4 'operand 2'.

nor example, sir as = b, tic and as is in a Ar this expression van bei represented in these.

rent: istigation chodpending size ariana 20 to to the wing and and morning a = t2

Por tem's The representation:

· 'tl', 't2' + 'a' are temporary variable

· 'c 1 d' is represented by th'

· 'b+tl' is represented by 't2'

4 't2' 1s assigned to 'a'.



5 -01 1 - 10 10 m 195 9 10 3 there also used for representing control from construts our as conditionals & coops. For example, or nice considering the following afficely extentement. reprince entre luginom de para folgreis ed el usoverient from various applimited toxicovers musikan pibe in represented in this asil with the or address the allow of outex little ander - Must addrews ian agreed of xxousty, and + F 30 Kugotosto 12. Sks-photowort lordon millioning the A significant of the mention is: X = Y : 1) chappy 12: rateria shoppy - History soronia Will aprot stalling out 21 to June 9199 there, up + 12 are labels, uned for branching · Shoongo' > 'thoongo' TAC provides a simplified view of the program's computation à quantral funció mating it's carler por subsequent compiler stages to perform optimization or generate marchine wde. THE STATE SECRETARION OF THE STATE OF THE ST