TO DO COLOR HAND OND TO BOUD = yearin Arcafat Prantik 1520722042 Homeworck: 01

Sub: CSEB31L

Date: 0 7-08-20 PENTER ALBOLK = DOLV; TR = "EUTHE" I'M GO (MOIN SIG. P. LIG. CAD D. DUDIPLY Scanned with CamSca

miercontroller Vo microprocessors.

A microcontrolon in amociated support ainwiting, memory, and percipheral I/o components are implemented on a single chip, it is a microstral lerc.

A miercoprocemore na epu on a single chip.

Reatures of 8086

\* 8086 in a 16 bit processor, It's ALU, intende registeres work with 16 bit binary word.

\* 8086 has 16 bit data bus. It can read one wreite data to memory either 16 bits on 8 bits at a time.

# 2086 has a 20 bit adrien bun which men it can address up to 220 = I was memory location.

Regintrace-Reginter - regintore A Both ALU & FPU have a very mon mode amount of puper fast private memory Placed reight next to them fore their endure \* The ALU and FPU starce intermediate and Final reputto from their catealation in this terpisteres. In die military A processed data gon back to the data cate. ord-then to the main mender from this special purpose réginteren. IP - the intraction pointer. Doints to the nort beatton of instraction in the memor of flogo register - Deferminare the owner of the of the microprocessore.

constants aree Just like variables but they exert only will your program is wrongly a After defination a company its value can not be changed. To define emotions is used Scanned with CamSca

alirept for The Antox Pore DUP! humber numbers of duplinates to more value expression tratitup will duplicate forc example CPB 5 Dup(9) love de de la colon de la col is an aftereneding wat of declaring O DB, 9,9,9,9 OFFSET: Consider the state of the a offeret" is an assemblere directive in 186 amenty language. It octuly wream y address; and is a way of handling the overcloating of the "mor" intradion. Allow me to illustrate the wage. · where forms is the 1. a mov. si offeet variable 2. mov. si, varaoble. a der colonialiste e settem de mil the in fundamental of the first in the first

Proint: Hello world in Amenbly larguage. DATA SEGUMENT MESSAGEE DB "HEILO WORLD!!!\$ ENDS CODE SEGENENT ASSUME PS: DATA CS: CODE Will repulse the first contill START: MOV AX, DATA mov DS, AX LEA DX, MESSAGGE MOV AH.9 INT 21# mor AH, 9cH INT 21 + END3 END START what the on the law low in opolin when the first william in 1 representative when the way is The 10 the HOLD NO