June 10,2020

COA Series 1

KOWSIK NANDA GOPAND ROLL NO 31 CSESY MOB: 7356 823609

← TOP SD

2. Atthe diagram shown dephesort the the bottom be the. 1000 mitial address of the stack The stack fills in such a way SP-> that it decrease in address value. 1200 BOTTOM STACK PUSH Let RO contain value to be pushed and

MOVE RO, -(SP)

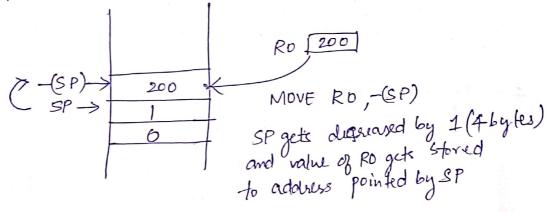
SPrepresent the initial pointed location. 1 Alterate Metrod frust sub\$ #4 SP

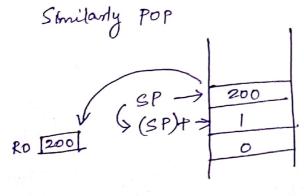
MOV RO (SP)

STACK POP

MOVE (SP)+, RO

For example if value 200 is in RO when pushed





First SP moves value to the RO and SP gets updated by incheasing are men location

means to shift the content of 20 to left and put O at places (Batter Bhiff through carry) After LShift #3 PO

In Rotate I through carry assumed zero move byte by byte from LSB to MSB through carry and shift the old ms & to the to right Ne are actually doing me circular shift operation

4. My phone number ends in 9 ... option 9 20 (R1, R3) This is a made of a celessing memory. Indexed mode with offset. 1e, [RI+ R3 + 20] - is the memory location T> offset

Instanction sequence

- 1. Prood MARin Read Scheet 4 Add Zin
- 2. Zow Yin Plin WMFC
- 3. MDRout IRin
- 4. RIONT En
- 5. Rzont, Select Y, Add, Zm
- 7. 1 Offset-B-1Rout Select Y Add Zin 1/Adds offset 20
- 8. MARIN, ALAD WIMPE DEND
- 8. Zout, RI end

Konsik NA

1 Last 4 dugits of phone number 3609
(3609) = (111000011001)2
In 32 bit format,

Drittle endian. - Means trat the ending value will be least Significant bit le, lider o will have the ASB 3 the digit.

31 ---- n p 9 s 7 6 s 43 2 1 0 0 -- 0 0 1 1 10 0 0 0 1 10 0 1

2) Big Frolian - means that the ending value will be the MSB bit & the birrary. ie, frolix 0 have the MSB of the digit.

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