| CA  | CO   | Tu Tele  |
|---|--|--|
| - Hardware comp. connected highlar                          | - concerned with structure &<br>behaviour              | [127.125]10  |
| - interface between horduare &                              | -deals with components of connection                   | Binary.  |
| - helps to understand functionalities                       | are arranged & intercouncited                          | 1) Hexadecimal > Binary.                                       |
| programmer can view archit in terms of:                     | -it expresses realization of                           | 2) normalization.  3) Brand  5) Brand  5) - F+127              |
| - addressing modes.   | - need of surchit. for                                 | 1) Kingle precion () = E+127,<br>2) Opuble precion ('= E+1023) |
| - registers<br>- consider first for design                  | organitation  - deals with low level design            | 2) Opwole (media   |
| - deals with high level design                              | iques  |  |
| isemes<br>- involves logic                                  | - involves physical components                         | MON-RESTORING METHOD   |
| Computer M.M - storage                                      | CPU (cu(main) -down all processing for parithmetic opn | 00000   1  00 00<br>00001   1  0   10                          |
|   | Registers (small unit) CPU BUS                         | 11101 1110 11100   |
| CV sequestial agre (CU mosse. CV Resegrator >               | amount of data REMAIN                                  | 1100 3   |
| Evolution of puter<br>Mechanical va / Electronic era        | 13×11 Undigned Miller                                  | [1111 100D   |
| -1623 Ist - vacuum tubes                                    | C AC Q M<br>D NOOG 1101 1011 Talkid                    | 00011 (00)   |
| -1642 1945-1958<br>-1623 IInd - Transicher                  | 0 0000 1101 1011 ( Add )                               | 000 11 COIL  |
| -1822 1998 - 1964<br>-1889 III d - Integrated Chip          | July 1110 1011 Shift }                                 | L N X Z  |
| Tabulating Machine 1964 -1974 Company. II - Microprocussors | 0 0010 1111 1011 ~ Shift )                             | 1023   |
| -1938 21  | 1101 (11) 1011 Add1                                    |  |
| Intel Mixory  | 0 01101111 1011 Shift)                                 |  |
| -4004 } 4 bt 745  | 1 1 1011 Shift   | : ,  |
| - 80 08 L 8 bit   | 1 Ans: ACA   |  |
| - 80 85 1,20 bits   | M. Holizatan/Bushis                                    | Division of Integers: Resorving Mehot                          |
| - 8088)<br>- 80186] 24 bits 6                               | Ac & B. m  | inc a M  |
| - 80 286 )  | 00000 00101 0 00101                                    | 00000 01101 00101 ACA  |
| -80,386 } 32 bils 33  | 11001 11010  | 11011 11010  |
| - 80 486) 50<br>- Pentium / 264 6th 133                     | 00110 11010 1  | 101D   |
| - Pentium 2 300   | 2110) 0  | 20001 10 00  |
| Partium 3   | 11011 00110  | 101D0  |
| Pertium 4 3.7 Multicore 64 bits 3.7                         | 00100 00110  | 00011 01000  |
| Macros  |  | [1]10 0100   |
|   | 11011 100011 0   | 00011  |
|   |  | 00001 1000   |
|   | ((01) 10001)   | C0011 0 vol 12   |
|   | ,  | 1,0000   |
|   |  | 011  |