Assignment Week-1

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Write 2 examples of each unit of the architecture? (5-3)
      Input Unit - Mouse, Scanner
      Output unit - Monitor, speaker
      Storage Unit - Pendrine, Karddisk
     Memory Unit -> RAM, ROM
                  → Intel 101ics, Apple M2
     CPU
12 Write 3 examples of each of the above (5-5).
   Desktop -> HP 9000, Apple IMAC, Pell XPS
  Laptop - HP ab 029 tx, Chromebook, Muchook pro
  Tablet - samung galaxy tab, Lenovo tab, I Pad.
 Server - web server, game surver, Application server
  Mainframe - IBM ZIS, IBM ZI3, IBM LinuxONE
  Supercomputor - Fujitsu Fugaku, Param Shivay, Param 4000
2.3 Write 2 examples of each category. (S-C)
  Operating System -> Windows, LINUX
  Language Processor - compiler, Interpreter
 Perice priver - USB driver, soundcound Mouse driver.
 utility loftware - Antivirus, pik pejragmenter
   Application software - VLC, Browsers.
    convert the following into the decimal number system. (5-16)
     1) (11010) - 1x24 + 1x2 + 0x2 + 1x2 + 0x2°
                = 16 + 8 + 0 + 2 + 0
                 7×82+ 2×8'+ 6×8°
     2) (726)8
                = 7x64 + 16 + 6
               = 970/03 + 7×16<sup>2</sup> + 15×16<sup>1</sup> + 11×16<sup>2</sup>
                 = 8192 + 1792 + 240 + 11
```

1) [10110] $2 \rightarrow 1\times 2^{4} + 0\times 2^{3} + 1\times 2^{2} + 1\times 2^{2} + 0\times 2^{2} = 22$ | Perimal $\rightarrow (22)_{10}$ | Octal $\rightarrow (20)_{8}$ | Perimal $\rightarrow (174)_{10}$ | Octal $\rightarrow (250)_{8}$ | 3) $(1430)_{16} \rightarrow 1\times 16^{3} + 10\times 16^{2} + 3\times 16^{4} + 12\times 16^{6} = 6716$ | Perimal $\rightarrow (150)_{10}$ | Octal $\rightarrow (250)_{8}$ | Perimal $\rightarrow (150)_{10}$ | Octal $\rightarrow (150)_{10}$

2) (anvert wints binary system.

1)
$$(254)_8 = 2x g^2 + 5x g^2 + 4x g^2 = (172)_{10}$$
.

2) $(1010100)_2$.

2) $(10998)_{10} = (10011010101010)_2$

2) $(19998)_{10} = (10011010101010)_2$

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2) $(19998)_{10} = (10011010101010)_2$

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Submitted by :-

Name -Shivam Gupta

Roll no. - 21095106

Dept: Electronics Engineering (B.Tech)

Email: shivam.gupta.ece21@itbhu.ac.in