100 days of coding . com (corvered 1111) in to decional moorben system. 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 (11111)2 => 16+8+4+2+=1 =/31/10 =>(1111)2 y convent 0111 into decional system. 2/7 (0111)2 (7)10 =>0+4+2+1 (111)2  $\Rightarrow 7$  (0111)2 3/ convent 100101001 into decional number system [100/0/0001/2 2 5 93 2/296 10010100001 2/148 0 2174 0 512to + 0 + 64+0 + 16+ 0+ 0+ 0+ 1 2/37 0 9 0 => 593, 2/4/ 593)10 2/2 0 to decimal. 2/5 1 2 1 0  $(0101)_2$  0101  $2^3 2^3 2^1 2^0$ => 0+4+0+1 =>(5)10 => (101/2 =>5, 3 611/2 0 1 1 10 (7)10 0+4+2+1 =  $\rangle (7)_{10}$ 

3. 
$$(001)_{2}$$
  $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{2}$   $(00)_{3}$   $(00)_{4}$   $(00)_{2}$   $(00)_{2}$   $(00)_{3}$   $(00)_{4}$   $(00)_$ 

```
50/ convent 8-bit binary to decimal.
4) 00010101
                            2/21
  (00010101)2
  0 0 0 1 0 1 0 1 2 2 2 2 2 20
   0+0+0+16+0+4+0+1
                            (10101)2
   =)21, =) (21)10
60/ convent 16-bit binary to decimal.
1/ [101101010001019]2
 32,768+0+8,19244096+0+1024+0+256+0+0+0+16+0+4+0+1
               2/46357
   =>46,357
               2/23/78/
    46357)10
               2/11589 0
                2/5794 /
               2 2897 0
                2/1448/1
               2/ 724 D
               2/362 0
               2/18/ 0
              2/45 0
```