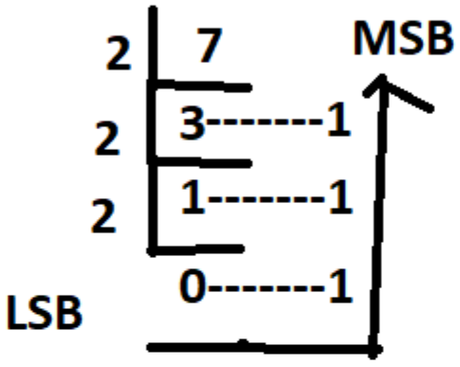
Binary form of base-10 Literal 7

$(7)_{10}$ ——————— $(x)_2$ find x here x= 0 1 1 1 (or) 111



convert Base-2 literal 111 into decimal number System

$(111)_2$ ----------$(x)_{10}$ find x here x=7

Sol: ←

1 1 1

2^2 2^1 2^0

$= 1 \times 2^2 + 1 \times 2^1 + 1 \times 2^0$

$= 4 + 2 + 1$

$= 7$