$(68)_{10}=(1000100)_{2}$
Step by step solution
Step 1: Divide (68) ${ }_{10}$ successively by 2 until the quotient is 0 :
$68 / 2=34$, remainder is 0
$34 / 2=17$, remainder is 0
$17 / 2=8$, remainder is 1
$8 / 2=4$, remainder is 0
$4 / 2=2$, remainder is 0
$2 / 2=1$, remainder is 0
$1 / 2=0$, remainder is 1
Step 2: Read from the bottom (MSB) to top (LSB) as 1000100. So, 1000100 is the binary equivalent of decimal number 68 (Answer).

| From |  | To |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Binary |  | $v$ | Decimal | $*$ |
| Enter binary number |  |  |  |  |
| 10000110 |  |  |  | 2 |
| S Convert | * Reset | t1 Swap |  |  |
| Decimal number |  |  |  |  |
| 134 |  |  |  | 10 |
| Decimal from signed 2's complement |  |  |  |  |
| -122 |  |  |  | 10 |


https://www.rapidtables.com/convert

