

Answer on Question #58725 – Programming & Computer Science – Visual Basic

1. Numeric data comprises mostly of what?
2. The binary number for 8 is what?
3. The binary number for 7 is what?
4. Convert 64 to binary number?
5. Convert 1101 to decimal?

1. Numeric data comprises mostly of what?

Answer:

Numeric data comprises mostly of numbers.

2. The binary number for 8 is what?

Solution:

$$8=8+0+0+0=1\times2^3+0\times2^2+0\times2^1+0\times2^0$$

Answer:

The binary number for 8 is 1000.

3. The binary number for 7 is what?

Solution:

$$7=4+2+1=1\times2^2+1\times2^1+1\times2^0$$

Answer:

The binary number for 7 is 111.

4. Convert 64 to binary number?

Solution:

$$\begin{aligned}64 &= 64+0+0+0+0+0+0= \\&= 1\times2^6+0\times2^5+0\times2^4+0\times2^3+0\times2^2+0\times2^1+0\times2^0\end{aligned}$$

Answer:

The binary number for 64 is 1000000.

5. Convert 1101 to decimal?

Solution:

We suppose that 1101 is binary. Then

$$1101=1\times2^3+1\times2^2+0\times2^1+1\times2^0=8+4+0+1=13$$

Answer:

The decimal number for 1101 is 13.