What should you know by today

- 1. Binary, hexadecimal, octal, hexadecimal
- 2. 1's, 2's, excess-K
- 3. Operations (multiplication, adition, subtraction) using any of these representation
- 4. Overflow
 - 1. When overflow is acceptable
 - 2. When overflow is not
- 5. Data type and range

How you ready for this ?

1. Given the representation 1101012, assuming XS-32 (excess 32), its value is:

1

- 2. What is the binary representation for the product $110101_2 \times 101_2$
- 3. What is the decimal representation for 11010.110001_2 :
- 4. If I answer correctly to this question, I will receive marks (true or false)

Decimal Floating Point

3.141593 "decimal point"
6.02 x 10²³ Scientific Notation
33.33333... Normalized Numbers
1.0 x 10⁻⁹







