

Whole numbers Integers Obtatype int 1 = neg 0 = pos  $\frac{a}{2^{3}} \frac{b}{2^{2}} \frac{c}{2^{0}} = (a \cdot 2^{3}) + (b \cdot 2^{3}) + (c \cdot 2^{3}) + (d \cdot 2^{3})$   $\frac{a}{2^{3}} \frac{b}{2^{2}} \frac{c}{2^{0}} = (a \cdot 2^{3}) + (b \cdot 2^{3}) + (c \cdot 2^{3}) + (d \cdot 2^{3})$   $\frac{a}{2^{3}} \frac{b}{2^{3}} \frac{c}{2^{3}} \frac{d}{2^{3}} = 1$   $\frac{a}{2^{3}} \frac{b}{2^{3}} \frac{c}{2^{3}} \frac{d}{2^{3}} = 1$ 231 = 2,147,483,648 unsigned int

data type

3. Decimal

1. float - Single point precision 2. double - double point precision

Period 4

Void - no ralue void main () 3 return; //ends the void function 3//if no return it's O.K. int main() & return 0; //mandatery

dataType variable name;
assignment assignment operator

2. dataTyp var-name = value;

Single var on left is updated by the value on the vight

- 1. vai name starts with a letter or an underscore.
- 2. it can contain letters, numbers, or underscores.
- 3. Name must be unique from all other reserved words or other variables.
- 4. Variable names must be Semi descriptive X=(X+1)/8;