Data types -00/1 int -> 4 bytes 1 byte = 8 bits F = 21 int > 232 different O numbers 001 6 10 011 -2 to 2-1 100 101 6 - 2147483648 to 2147483647 011 111 2 = 1024 % 1000 3 103 30 = 2 × 210 × 216 3 103 × 103 × 103 3 109 long $\Rightarrow 8 \text{ byte } \Rightarrow 6 \text{ bytis} \Rightarrow 26 \text{ bytis}$ -263 + 6 263 - 1(2)6 x 2 (103) × 23 >> 1018 × 8

Chan -> 16yte $= 29 2^8 \Rightarrow 256$ 0 - 255

As CII -> American Standard Codes for Information

Interchange

D -> 48

A -> 65

a -> 97

Operators

- 1) A sith matic
- 2) Relational
- 3) Logical
- 4) bittuise
- 5) Assignment
- 6) Tennary

Agrithmatic

Survey 1 operand

Binary 2 operand -> Increment ++ decirement -a = 10 attC = a++; to 11 12 a = 15++ 12 B 6= 1211 15 C = 14

$$C = 18 14$$

$$15$$

$$10 + 12 + 15 - 11 - 13$$

$$12 + 12 + 15 - 11 - 11$$

Relational operator

$$a > b$$
 $a < b$
 $a > = b$
 $a < = b$
 $a = a$
 $a =$

return > boolean Value

Logical Operators

88 And
$$C = 3$$

$$C = 3$$

$$C = 3$$

$$C = 10$$

$$C = 3$$

$$C = 10$$

Bit wise operator operates on bits Assignment Operators - put value grom right to variable on left Teanary Operator (?:)

600 lean empression? Vall: Val2

int a = 10;

int b = a > 10? 5: 15;