



Paimitive Ls byte

Non Primitive

Integeor Values Shoat Int long gloat decimal double 7 character Chan boolean I true / galse

Computer only underestands binary

= 8 bits byte a = 2;

$$\frac{2}{2} = \frac{2}{3} \left[\frac{2}{2} \frac{6}{6} \right]$$

$$\frac{1}{2} = \frac{1}{2} \frac{8}{8} = \frac{1}{8}$$

$$\frac{1}{2} = \frac{1}{2} \frac{8}{8} = \frac{1}{8}$$

Shoat = 2 bytes = 16 bits short a = 2; eange -2

>> 4 bytes = 32 bits

long > 8 bytes > 64 bits > 264 long a = 2; 1024 2) x 20 x 2p 2 10 × 10 × 103 (000000000 if greater use long Decimal

Ploat = 4 bytes = 1078.943218

double = 8 bytes = 278.96

double a = 45.8

Sloat a = 0.38; X

AscII - American standageds codes for information interdange 256 16 bit => 2" 2 bytes => ascil Unicode 'A' - 65 'B' - 66 161 -'6' - 48 ا د ا i d' 100 121-50

boolean > tave / galse

b default > galse

Memory / RAM

int a; II declaration

$$a = 10$$
; Ilinitialisation
int $b = 20$;

All primitive data types are stoned in stack a 10

Heap

NP -> heap