

C -> compiled

Tava ->

(H, (# ->

Switt -> Source

code

Compiler

Compiler

Machin (Folz

Scripting -> have an interpretan (which compiled)

- Python

- Barn (Thell scripted)

- Calculator input

- C

Type & Data = Meaning [10]

( ) a specication for data (bits) interpretation

book (primirive)

integer (int) -32767 +0 32747

daubles (dauble)

Float (float)

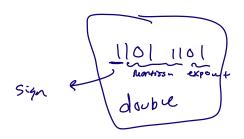
bookean (bool)

unsigned interger (unsigned integer (unsigned integer)

long (long)

Chareters (Char) ( ) Sign, exponet, Mantisla

Sign. monsissa x 2



Variable -> a typed spot in memory where can stone things

1) declare - name a spot and give its type : type ware

Assign → =

Variable = expression & assignment statement

example:

int myInt; rdeclares a variable my Int with type in 1-

MyInt - 0;

myInt = ()

Char myrist Initial = 'A'





Operators - ) a symbol for performing a function + -> 7103 ex) int sum - 0; Sum = 50m + 3; Som = Som + 3; Som = Som + in + 2;of Mutip. 1 - Pivision 8 → moduis → 362 = 1 = has a renumer of 1 - 9 gubtree Lr ex) in+2 = som - 3; in+2 = - sum; count start with print liet printf ) printf ( string , varibles or numbers printf("helloin"); - hello Printf ("hello; the value intz is dod"; intz); printf ("valu 1 is Rod and valer is nod" Ce, inro). Scanf - to get input from user double miles; scanf ("golf", &miles); \_a chorater (char) printf/sconf printf (scont int Do 0/ double - printing out double in print √o f not - reading in double in sant

```
int my Int ;
 scaf ("rod", & myInt);
Commuts
 // E corner sing
Mixed Types Expressions
 For example
         int myInt 2;
double myDouble 2.0;
           2+7.0?
            int or double - andouble
         int product;
         product = tint (myInt + my Double);
                     Nyre cast
examer
                            This does integer division
   int num students;
   int total_ score;
   dable average;
   average = there total_scene (double) num_student)
  Ransin
    double Kj
    int romoed-x;
                                            7.73.
     canded = (int) (x+05)
```

