how do we store duta in prolocu.

data types =>

Char - character int -> integers floct -> red number bod -> boolean => toue / fabe

data type vor. name;

Var. name = value char ch: $ch = |a|; \approx ch = 97;$ Store value in Character constent Ver- mame 92 miteger constant 2.973 med number 1.0e+10 > constant New way to mitidize ausign ment Initialization vit i (10); wit = 10; wit i= 1103;

Initialization => Happens only once fer rasiable, at time of declaration. => Can haften multiple times. After A Sign ment variable is declared.

=> Named constants. Constant variables

i- 92;

[- YEAR-OF-BIRTH

Const wit YEAR_OF_BIRTH = 92; Rigword declares a constant randole.

YEAR_OF_BIRTH = 100; X = as YEAR OF BIRTH is constant int x; < un initialized variable

Const int $A; \chi \in Const$ must be initialized.

Const must be initialised & their relues can not be Changed later

Operate on data = date reviable } operands speration - sperator 1 pinary sperdoes work on two oper ands 2+5) - expression
Uproutt value & type of value

1.5 -> double constant double 1.5f - floch int float constant double Implicat type conversion / up casting. char - mit - Hoch - double

3/2 -> (5) = modolus

integer viteger

5 % 2 -> 1 = Remainder of division 5 % 2.5 > Syntax error only work on mteger data. 3/2.5 -> 1.5 val = no 1 / no2; -> / has higher box cedence val = result:

value of this expression? value of right speared will be stoord Value that is stored in left operand in left operand. rulus of expression is orght to left anouisire volue anigned cooprenion = 5

x = 10 + (2 + 3)2 is constant & can not be changed. var = value left sperand must be a variable left operand much have 1-ratue.

Operators Relational marks less than 40 then binary Conditional Spirators Statement

Conditional statement in C++ Reywords: if else condition something that gives true/ statement / Statement block [(ehe) statement block] if (marles < 40) 8td:: cout << "Fail"; be std:: (out < " Pan";

if (marks < 40) { = std:: cout << ' -- ''

Std:: cout << ' -- ''

block std: , wort <<' ' -- '

if marks are greater than or equal to 70
then
Pan with Diot.

Che if marks greater than or equal to 60

Par with Girst Clans if marks greeter than or eg to to if (marks >= 70) Std:: Goul ex' Pens with Dist"; else if (marks >= 60)

std:: Cout <<" Pers with FC";

else if (marks >= 40)

std:: Cout << "Pan";
else
std:: Cout << "Fail";

if (x < y)

if (a < b)

std:: cout < "2";

if (x < y)?

if (x < y)?

if (a < b)std:: cout <"1";

else std: cout << "2"; Logical Speadors

Dinary unary

if both sprounds tore it any one sperand is true else false are true else false Sperand Is fulse