variables, Datatipes 8 operaters D- Jariables (vary-able) -> con vary at lines name = "Zeeshon"; age = 20 1 addres = (CRIC') RAM [name] [age,] [address] Datatypes:-It is the type of the data to be stored in the variables, which are as -> 4 byte) or 32 bits Prinitive - 9 4 byles or 32 bits float Bosic char -> 1 byte or 8 bits bool -> gbytes or & bits double - 2 8 byles = 64 bits Menory Allocation Processi-In computer the language is binary 0/1 0/1 represents the 1 bit 1 bit 8 bits = 1 byte 4 bytes neary = 8 bits + 8 bits + 8 bits + 8 bits = 32 bits can be checked using: size (variable)

Din general numbers! Numbers - 5 Briany Dir care of stings/dephabets Strings papphabets -> ASCII values -> Binary A, B, C, D, E, ---65,66,67,68,69, --a,b,c,d,e,. 96,97,98,99,100, --> Type Costing Converting dota from one type to another Type Cayling Conversion Implicit Casting Automatic, Compiler) Explicit) Manual) Small -> Big Big -> Small 10af 3.14 - 17 double louble 100.99. 7 int Ubyles 8 byles 8 byles ubje Conversion would becary the compiler

Operaters O Arithmetic +, -, a, /, @ Relational 1, 7,6=,7=,==,!= Degical OR, AND, NOT 1) Arithmetic Fuller emplaination of 1 float = float or double = double likewise int number = 7 ((double) Humber 2 Now Arrover will be in int because right side will give double but double - in as the double is now to be slored into int. operaters Bray Chary a-/ b alb Redvices only Ore operands Redvires two

(Post+) Increment ++ (++ Pre) ++ Increment (Post-) decrement - (-- Pre) -- Decrement