VARIABLE: \* Variables are the names which are use to store ar values Valid Variable declaration: 8) Stud Id = 123 B Da=2 9) stu\_td=127 2A = 4 19\_stu\_name = xxz 3) num=20 11) a,b,c = 4,6,1 4) nam 1 =31 12) X=8; Y=2; X=3: 5) num 2 = 90 6) Num = 90 banas me an and redectaration 7) Num=12

INVALID VARIABLE DECLARATION: Mote Not to Start with number for Variable declaration Eg: I nam = 5 (x) thing (x) thing => stu. name = "kaothik" Inbetween space should not present => @ rum \$ = 8 Special Characters are not allowed 19. Collection data of person I by declaring Variables Weight = froat Name = stal eductifim = 548 age = int Phone num = sto whork expo = float emaild = sta Salary = float address = 518 Company Name = str DOB = Date St Ig: Ar Metatus = sto height = float Gender = Str blood group = str

- NPUT & OUTPUT FUNCTION: Input c) - Input Junction point () - output function Variables:\* Variables are Containers for Storing data Values. Coeating Vanables: \* Python has no Command for declaring a Variate \* A Variable is Created the moment you first assign a value it Eq: X=5 , Y= "John" point (x) print (x) stu. name 1/ "Hoothi E CASTING: \* If you want to specify the data type of a Variable, this can be done with Casting  $X = 540(3) \Rightarrow X \text{ mill } 3$  $V = int(3) \Rightarrow y uill 3$   $Z = float(3) \Rightarrow Z uill be 3.0$ Get the data type of a Variable With Type U:type (). tunction Eg: Y= " John" Output print Ctype (x) = int print Ctupe (VI) => sta.

Along Values Can be declared wither by Using Single con double Quotes Eg:- X = "John" Y= 'John home is contry CASE-SENSTIVE: \* Variables Names are Sensitive Eg: a= 4 at put

A= "Sally" => Sally RULES FOR BYTHON VARIABLE: \* A vasiable name must start with a letter con Underscose character. \* A Voriable Cannot stoot with number. \* A Variable hame only contain Lalphanumeric character, and Under Score [A-Z, 0-9, -] \* Vasiables names are Cose-Sensifive \* A Variable name Connot be any of the Plegal Variable Names Prition Regulards Legal Variable Nomes

My Mas = "John" 2my var = "John" x my-lar= "John" x myran = "John" my Var = "Joh" mx Var = "John"

OUTPUT VARIABLES: output variables \* In python point () => function is used to Eg= x= "python is awesome" paint (x). output = python is a ulesome point () => can use multiple variable inside Eg: Separated by comma Note: To combine a strong and number With topesados is not possible in the tales and all and a £9: x=5 V= "John" point (X+Y) autput Unsupported operands types of Verticals name report to my of the then (described)