Paga Na. TELCO Python is a simple and easy to leave language which feels like reading simple english This frends Code nature of fifther makes it easy sent to learn and understand by beginners. and a file Containing Code with con be imparted and within program 1) Pip is the palkage menager for python
3) REPL - Read endrate print loop # Single line Command

"I Musti line

(omments

u) Print (" Hez IN US ctrl+/ (an make comment select and Howdy ")

Playsound module (son help as to play song)

From playsound import playsound

Playsound (full path use double backshiph) 5) impart Os print (Os list disc)

+ Chapter 2 Variables and Number a = " Alba " C = 4532 A variable is the none given to a memory location in progress Edutifies class function variable I Josh Types

Tragers, floating part

Stung, Boolon, Nigne String ex) (Akbar" " Alla") (code) a = " houry "

puntry the variable

print(a) # forty the type of vai sle prod (# fe (a)) BALL Class CHAS 2 Rules of raming variable

Page No.: PRI CO Anithmetic +,-,*,/ 2 +2 -2 1) Amount == >,>= 4,1= of companion and en most y) logical Type () fration and Type controls

Type front on is used to find the

data type of a given sour labe in 19thon a= "3534" -> a= Int(a) fred (a + 5) SIN (31) = "31" Tut do Sto Conveyor It ('31") = 32 St to Tet Com-UM (14 (32) - 32.0 -# to flot Convers to report firstres This freshor allows the use to take infut from verbonel as thing I ghe output will always be shing

demind down Done -Person tea. * chapter 3 Strong Stary is - Equate of qual ex-Slicin WE F fant Stare to (b) (mx) (b) (mx) (dye (b)) tide tab N-Me has x Sdr 1) (ii A string in fathor can be stired for getting a part of the string 21 54 ----3) 1 -w) (Note - We can access the string but of the some contactor of the string but of the string but of the string of the some contactor of the sound contactor of the some contactor of the sound contactor of th Out + AKb include hogs to the tops - Negative indices -1 (ancepend + 0 length -) - 1 of Akhes -> 21 Als b at 27 5-4-3-2-1

Paye No. TELCO + Sticing with Spring value as fast of an slice live this way [1:6:2] mga (stans = var nome h i) find I les (ston) 2) Stury endswith ("1 bar") fund (Stay, endougth (" lon")) 3) [Ned (stary (out (" 0")) u) frind (Ship copitalize ()) () full day (-11) of first (Sty ford (" upon")) 6) fint (savo). reflect / "Alban" " Replaced wed ")) * FALORP NEQUECO In (new line) It (tab) 1' (Single grade) I backstah

Chapt 4 - List and Taples bet of values of any data type a Co Mater we can coute a list of them a) a +1 food (friend [0:2]) e Che t list indexing / blicks.

t list method fallowing list

Coulder The fallowing list

L12[1,8,7,2,2], 15] Die Wag 1) 11 Sout (): update to (1,2,2,8,15,21] 2) (1. revers 1 " " (15,21,238,1) 3) LI-apped (8): add 8 to end of his a) Li inte (3.8): will add & at index 3 5) 11 lof (2) i will delete at clanet index 2 6) (1 remodels) will recove 21 from Lit Tuples 1= (1,2,4,5) part (+ (0)), (cit golate the who as triple. > Can't change the value is

TELCO Date: / Page No TELLI ++ = (1) + soft tiple elenat ++ = (1) + min right elenat +1 = (1,213) + min minch elenat 2) a cound (1): a co-o (1) will return no a) a index (1) = a index (1) will return of Actions is a coolection of ky value pains "Fort": "In deide monne",
"Hay": "A Codes" prod (mobid= ['fat']) a = 2 "rey": "value"; They are unordered, mutable, indered

Dictionary Methods by set) frod (list (mydict, keps ())) - pust the Keps of diction boald 2) find (my did value ()) We Corre eston e) but (my did views ())

- part the (key reche) to all cost of 1 leaperd Unad tone K Oprate " Ax bu " = " Smart > 1 lea (till obty) strby tolig 2) 5 res per 5) funt (Tydick get ("hung"))

aga havy nati haya to retur 3 5.00 see W 5. 5 50 3 4 A SETS 0 1 5. 1 a = {1,3,4,5} (a) trust Set is a Callectier of poor repetice

Page No TESCO beadd (4) we cannot and list in set, but we can enter tuple, we cannot add dictions unandued, inidered, no was to chree white white & Opraticos (methods) 5-248,2,3} I len (s): perms 4, the central set 1) 5 render (8). Update the vet sand seno de & from set 3) 5. pap () persone aubiting clement from set and return element removed of s. Jack) " Empties the set 5) S. UNION (8,113): Reduce a new set with all iler from bath set 5 1,8,2,3,115 0) 5 indesection ((8,115) pelin a result with cotany of item in both tell 587

Chapter 6 - Condition Payment We must be able to execute I-thetias on a landition (4) burg ad the wahet Codosa do lo to If ele and elif in python yelve and a ely statem to taken by our propon due to certain condition in on code Syder: if (codition): 11 tue has find ("yes") ely (Castra 2): 1/1/cod? (No) (A (or Maybe) a = 22 4 (2>9): of felatroal Operater are wed \$0 evaluage ladition inside the yesternat

Page No. THE CO. Same So of resolvent opende are: to logical operator rot + 8000 Olaco Is and In a - none a = (45,56) 4 (a is none)= fort (45 in a) And (yes) contest = True (En) cho. * Chapter 7 Loops while Loop, For Loop evaluate to her the i= 0 whole iclo: body of loof is exceeded ("Ye") attende ou 3=1+1 Who coding # body of loop Trubble loop, the ,9) inl Limit y it a asa s

* For loop A fa loop a was to dende thou a require like but, tuple as Hong [Herbla) 1= (1,2,8) for dem in 1: too (item) to pay fuction The range fraction in justion is med to guarde a require of runbers we can also spects the out steep and step age. ton fi in real (2,8): for is in my (1, 10, 1) = to hoof with elie hin mello): (m+(1) the: peland of tolehand april 20 englie 78

al Hy when loop relant 1= (1,7,8,9) for iden in 1 prot ("some") Break statement & & & for i in 1-30 0 (10) 2 if i = = 5: bacak well - Jab tak bellesfully to lop pahl langa Cathere etalant the fall in rage (10) ? 5 paint 1 W 1 -- 5: Continue Mid 1) face started + All statement but I'm 1= (1,7,9) la iden in l. Pass .

fort (f " from 3 × (1) = Energy def geet (+ the Functions a = goet A function is a group of statement, le herong a specific tour. referred for we can be in a forest det pecent (marks): Det 90 P= (1 make (0) + mbs [1] + mbs (2) 1 maly (0) / 400) \$ 700 setur f Marks 1 = (45, 78, 11, 16) A fecunia Re Cursia for det func 1 ():

print (Hello") Used to 0 parela fact function (all , fund () A Types of fre 1 | built in jent), fritty, rage () 2) Vac depined a first at aremit Can accept some values il Con Serie certh.

magn He TELLS Edward . def gees (rome) ge = " Hello" + race ret of a = god (" man) ent Defend family Jules we can have a value on defent argument del gect (mome "senju") in a pretion (n. I ("Good day", name) he (2) 2001 (Hong) geet () percurer 4 a function which Gall 1 that Used to describe we a mathematical famula or fuction, factoral(n) = nx factoral (n-1) def factoral - iter (A) ; preduct for) to rouge (n): product - (roched * (I +1) redo product to factor I de (5) (F)

find (" Hedo", ed= "") End (Hung ad -) And (all, end ") dping a fil And ("gos", end "") lation has a Co seiker 2 Smol n = (smol n-1) + n afei apro . the this F- open port (The Mof(1) dada 100 f clos + chiha File I/O one re The radom ences menay is validity 20 allia and all its constit are lest once & a proposo termite. In ade 9- > to provid the data forever are we file a -(+b' (81" -A file is data stud in a vacage device . A python proporation talk Writing hom is and writing covered sit En a i) text (.txt) wente as Biros (jpg dat)

aping a pla total has an expect freten to age of file To selver 2 parante teleprone and made afent the tod" " "") open un forme (read mate) F = ope (somple tel , s') data: Fred () # agen Fred (5) bange to fint flede horge. (Close C) sere method I madline; for single time front only xalatip ONCE * mode g- read we write de a appelling + - for all duting e me pilo the will open for head in winay made 'ht' to jest mode -000 tale water file. 4 In ade so with to a full, we trust ofen 1 5 1 is to in write or affect made aget a chil we we the 1ston Ewido of metted to counts to the file (ge (" This Tid " ") frente ("The good") (Jage ()

modello - 1 were agent tople set , but as for + Charles to the Adjewise 7 West Just don't alled so apa and the Vente -2 * chopt to Object Oriend hopman A. A. Haboles to attitue Creating object is an approach of fragm rate then remable tode i (DE) print le clas E com Class Number det sum (seef): getweet hours return nelf a + self b house Nos Neda () Emplos= Ama = 12 Numb = 27 S. - & num dum() to Instace and (2) tal Tud-5/19 ? france of A clas is a bluggest for crutic abject clas Employee

method & variable Nede In · Analysed is an industrian of a class. - Object of a given day can involve the methods available to it and westing the influence details to the week.

modelles a pollen Noun of class of English Sales

Adjusted of method of get Sales () in come () af: mis to attitle that plany do the class A Bohder frame clas Employer 11 Specific to each char Tetal Employee com(") = "Youble" " Chyry class advised. & Truther ashirt and see that belong to instace (ob, -a) havy same = " Hary" adding incomp bjed Note Tostace allabate take propert over clas attable 200

12 takes Seef refer to the ordered cally forms June Self powerder to the with a further last form on aby- is havy get salay () -) self a havy factor get salary a deposed as 6mg det settate 15 et) Chilli point (" Inlay no ") Toherit State method Sometime we need a metrod what Syloa! we don't rolling self we can Cloub define a static method مل a static nathod def sect (): we find ("Hello") all 00 - int -- () consumter ad - sut - is a special metal and 1 i first run a soon as the object we could

Page No TRLEO It takes seef argument and can also take further arguments wed clas Employer: day - int - (solf, man a): y=ct gelf rome room def getsulay (504) burg = Enfluyer (" King") > Object con coming constity the the Chill Theritace Inheritance is a way of lating creating of secretary class from on excitating class. class Employee: > but class done person (Enfloyer): -> devel class # rode be can use the method and allinder of Employee in programmer objed. Also we can over un'll an add me allabel as and method in preparate days

A 798 00 [Base] * Caruter i) Single March Mary Mary Ten 21 muet of le Jane Tours a,) must fexce 16 62 andyy super method is used to access the method of a separate class in the @ ged the defined class init - 0 de Co CNP S Grab continta of but do. net) # Sugar (). takehouth () A Clas Method A class method is a method and not the object of the > Of achainsthad decorata is wed to acade a class method. (ada netrod def (dage salus (cls, sal): Classelang = sal

* Property de construe conster the days class Employer def rome (seep): retur seef enouse HE: Employeed is on object of class employee , we can prod en ame to prod The exame I (all name () purchan the netrod name with aproperty decode is called getter metrod we ar define a fund of ta name bette decorate fre below ! def nome (seef value): & openton overloading in 1stran apredo in John con he averload wing dunder method. There nethod are called when a given operator is used con a object.

exa 1xtra of Hanged maxic my loundi s Druedy V to les whit Pa