NAAC Accredited with Grade "A" (3" Cycle)

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Computer Journal DTIFICATE

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who has worked for the year in	the Computer			
Laboratory.				
MOGIN				
Teacher In-Charge	Head of Department			
Date: 9 3 20 Examiner				

Objective: Demonstrate the use of different for attribute butter and Record method

where oute a file. Object using open method and use the weitting some contents onto the file and than obsing the file.

the contents of variable and finally display

steps - Now use the filedated for firding the name of the file the file made in which it is opened whether the file is still open son close and finally the buppet of the liftspace attaibute

the objectose () # die close peoply = open ("abo. +xt", "w") # die open (wede malle) ileobj waite ("Dams in python in Ds \n") the dile wante

theoby = open ("abc.txt", "91") # stead mode

Starl = dile obj. sead()
shirt ("The output of sead method:", starl)
dile obj. close()

in ABMS in python in AS\n")

seadline ()

dipobj = open ("abc.txt", "9") Str 2 = dikobj . sreadline ()

print (" Whe output of sreadline method: ", str 2)

dileobj. close ()

>>>("The output of preading method:", "Computer Science

Ster 3 = gleobj greadlines ()

Ster 3 = gleobj greadlines ()

Swint (" The output of seadlines method: ", ster 3)

Yile objectos ()

Suence Subjects (n DBMS (n Python))

Suence Subjects (n DBMS (n Python))

>> > (butput of 91t " akshatha) # st + snode

Jileobj = apen (abc.txt ""y+")

strut = Jireobj. mead (m)

print ("output of of", stru!)

fileobject : Lose () # wt mode

dileobj = open("abc.txt" "wt")

dileobj . write ("akshatha") d= dirabj soft-space

puint ("soft-space" d)

>>> (soft-space: d) fileobject · close () point ("dile mode", c) b= fileobj.closed

pount ("(close) attribute: ", b)

>>> colose) attribute, Towne a = file obj name paint ("Name of the file (name attribute): ", a) >>> (Name of file (name attribute, about + + +) A file attributes name >>> ("out of mead mode" okshatha Starz= dikabj slead i Print ("culput of su mode |", 8taz Hilleobj - close O dileobj = open (Tabu H seadmode Stap5 - Open dikabjed in suad mode, display the update with parameter passed and display the output subsequently. then again open the sile object in waite mode that is the update mode and waite content. with weute method, white content close the opposed output.

Stept - Open the sikobject in suadmode. Declare a variable and beyown sileobject dot tell mothed & store the august consequently in variable.

the originments with opening the files in su ad mode & doing subsequently see the seadlines method & shore the same and the files of the seadlines method & shore the same and the seadlines method & shore the same and thought use the same for a counting the length use the done donath.

append made

append made

dileobj apen ("abc.txt" "a")

print ("output of append made:", "Aughatta")

print ("output of append made:", "Aughatta")

print ("tall ():", ros)

print ("tall ():", ros)

the seek of abc txt", "a")

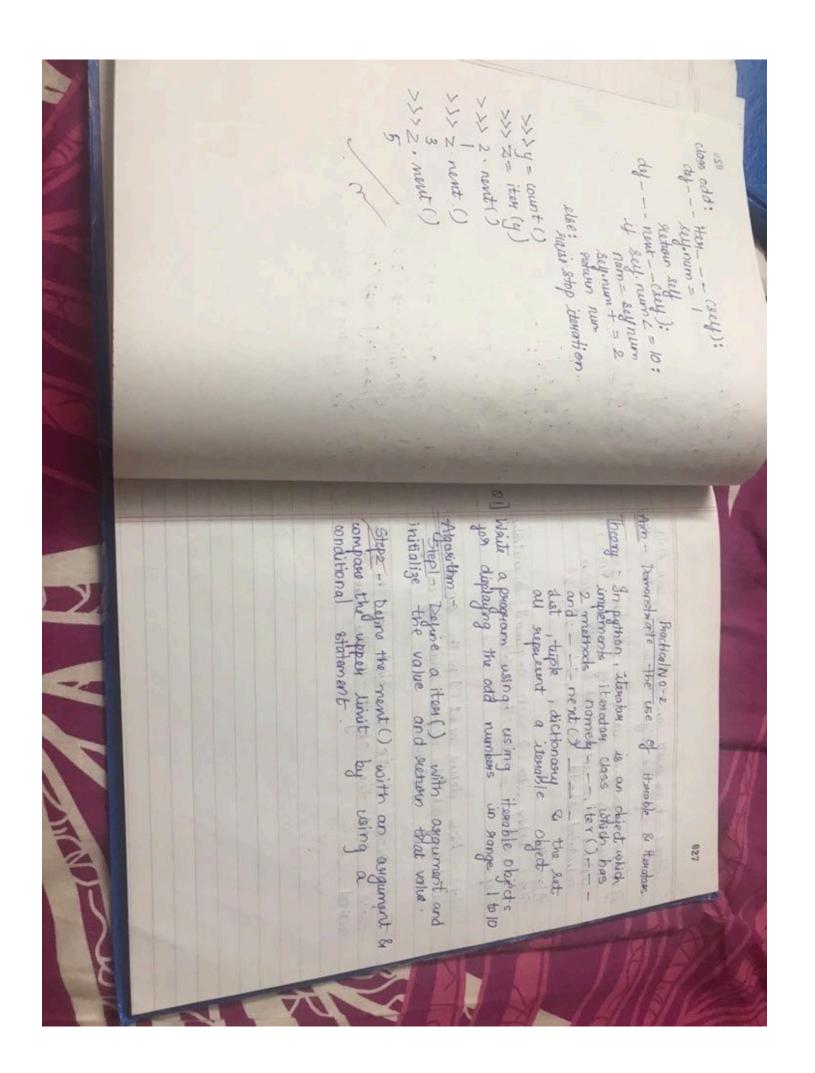
dileobj - open ("abc.txt", "a")

the seek of abc. seek (o,o)

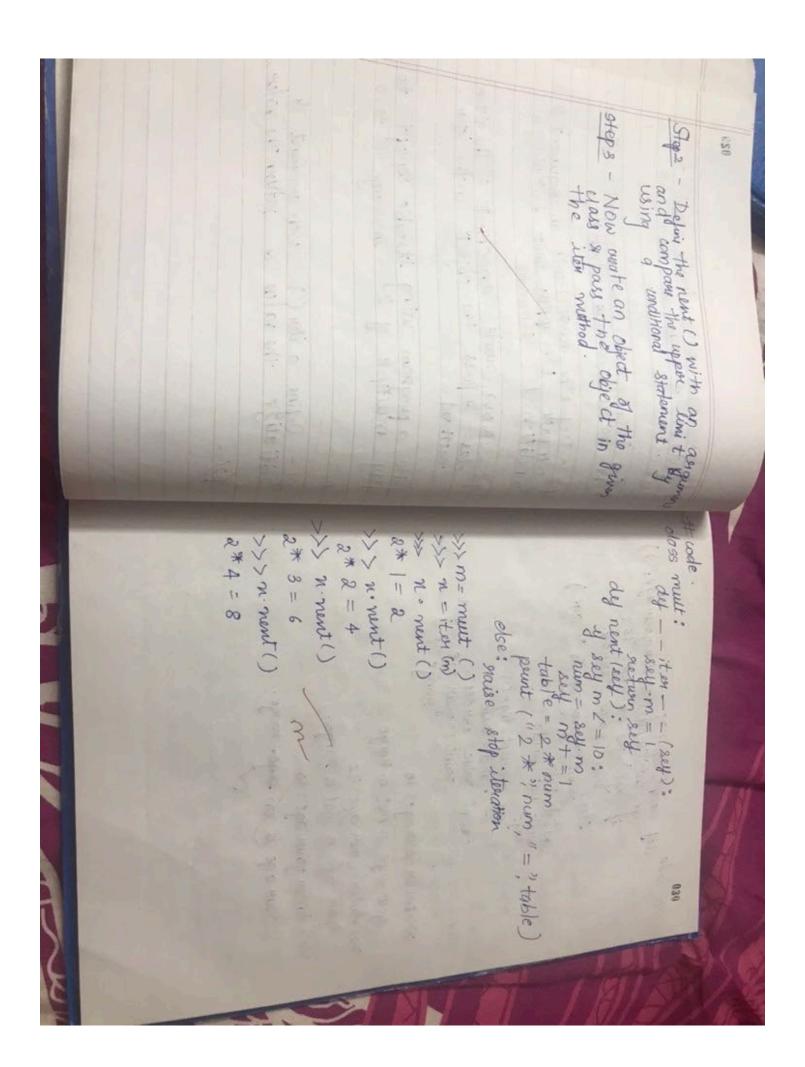
str 4 - dileobj. seek (o,o)

str 4 - dileobj. seek (o,o)

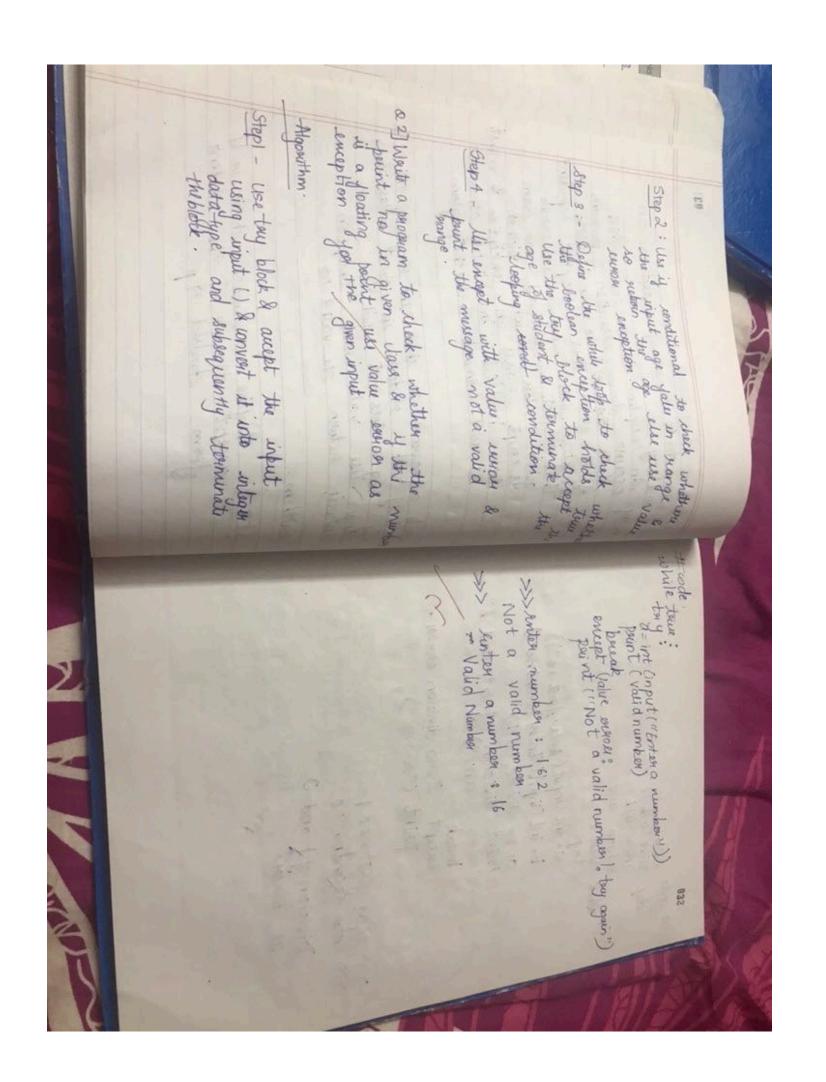
print ("The beginned of the time is -", store)



>>> d=dad() >>> n=itm(d) >>> n=itm(d) >>> nent() >>> nent() >>> nent() Stran. K < << Class Jact: else giacie stop itenation : (firs) initialize the value & settlem the value Newte a peragram using itemable concept to indicational of number in starge 1 to 10: Steps - Define the news () with an augument & compare the upper limit by using a condition at statement. display multiple of 2 in stange 1 to 10 grap 1 - Define a ites () with argument & initialize Steps - Now ough an object of the given method.



>>> Entre your age: 10 your age is not is morge. >>> Enter your age: 15 your age is not in marge age int computersentur yourge if age >30 on age 16 " 9" encyt value escrord age is not in walid = False walid: else: myour agé is " age the Demonstrate the use of smeeting on Weite a program to shock the mange of the age of the students in given class & students in given class & endage use value words enception given the valid no Theory on enception is an event which occurs during invention of program which distribe the normal flow exposurent Magasith m. 81-401 - Define a function which will succept the afunction the student Thus object is desired too prom given class & when sixthen it must be coupt should immediately otherwise it will be will be close the program.



>>> Enter first no: 1 - HOWING DE # code while true: divide (a.b): ans = a/bseturn ans b= int (input ("totay second no")) ans = divide (a.b) print ("division &" a", and" 6 Encept brunk paint (" hower ") Zeno division sourcy. Waite a parogram to demonstrate use of Abgorithm Steps - Use the encept block with a enception as value unique 8 ausplay appropriate musiage is suspections under a past of tay block 19/12/17 Stop4 -Step3 -Step? - Define a function with with 2 possessame test to divide the noise of a live of the noise and the noise of the nois Step1 - Use the tony block & accept the input using input () or then convert ut into integer datatype. Define while loop to check whether the boselan enpression holds tome Use except with 3000 division

alphabetic values from quien strung numerus step . Now display strong & fatters in find a digits whether I is used to math non Theory - Regular empression represents the sequence characters which is mainly used you fording a replacing the given pattern in a sequence common usage of segular empression and the junctionalities. Am - Danonstrate the use of regular enpression · Sunctury a given strong.
· Juding a strong into smaller substitute of strong. # output >> ['1284", 156+"] >> ['hello', 'abc'] point (subsult 2). nesutt= re findall (" | D+" string) paint (result) impost sie POSUN = Sec goda ! (") d + " , Strong) Stang = "hells 1234 abo set"

(2) import He string = "python is imposition" string)

Accust = re. snauch ("I A Bython" string)

Pount (Hesult)

if result : ("moth found")

else; puint ("moth not found")

Atgosithm -White a sequelar expression for finding the match stands of the beginning of given sequence

Step = " (Se search() with " Apython" and string Stept - Import sie module and apply a string

Step3: Now obsplay the output

Steps: Now use the conditional statement for uses to know whether the moth is found as

>>> smath object : spon (0,6).

(3) Weste a program on agrilator to chock when is the given mobile no starts with 80% of the total length of digit should be atmost 10.

Step 1 - Import se mature and apply a string of

Step2 - Now us you conditional statement to find in the number start with 8 09 9 and the total number should begin by 10 ease that neath () uside you statement to find the neath is given staining.

Steps - Use if conditional storement to know whather we have use of group to to display knowed mobile no.

= (2) imposit sie

String- Python is Impostant "

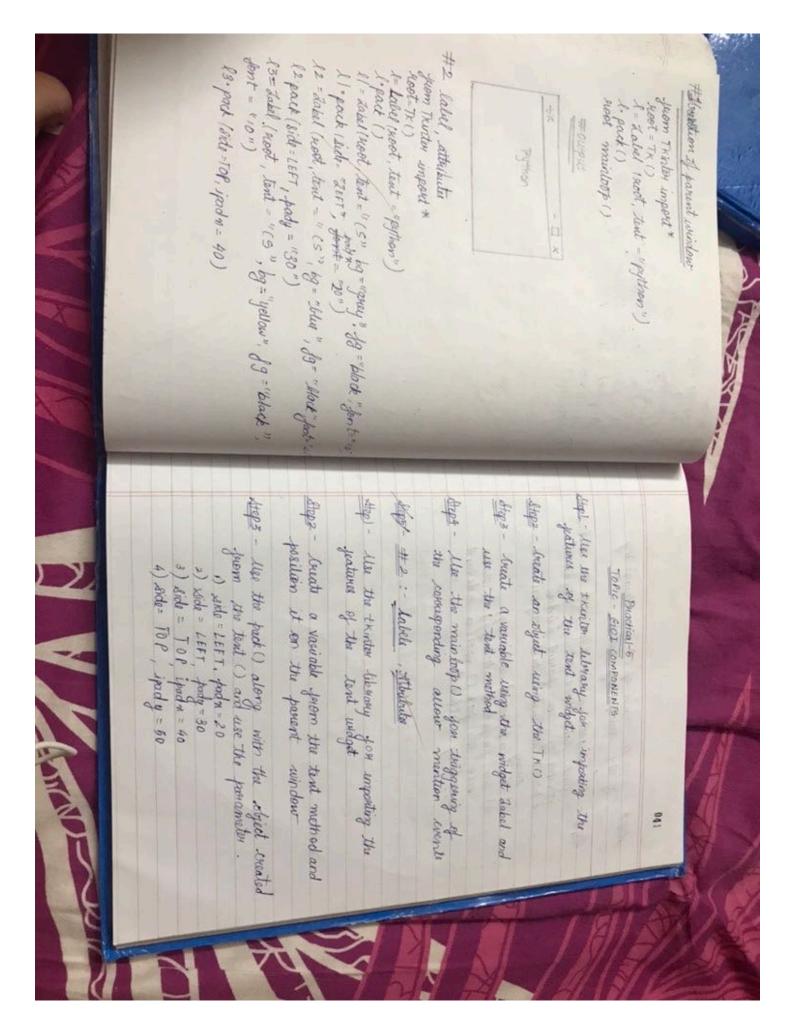
string - Python is Impostant "

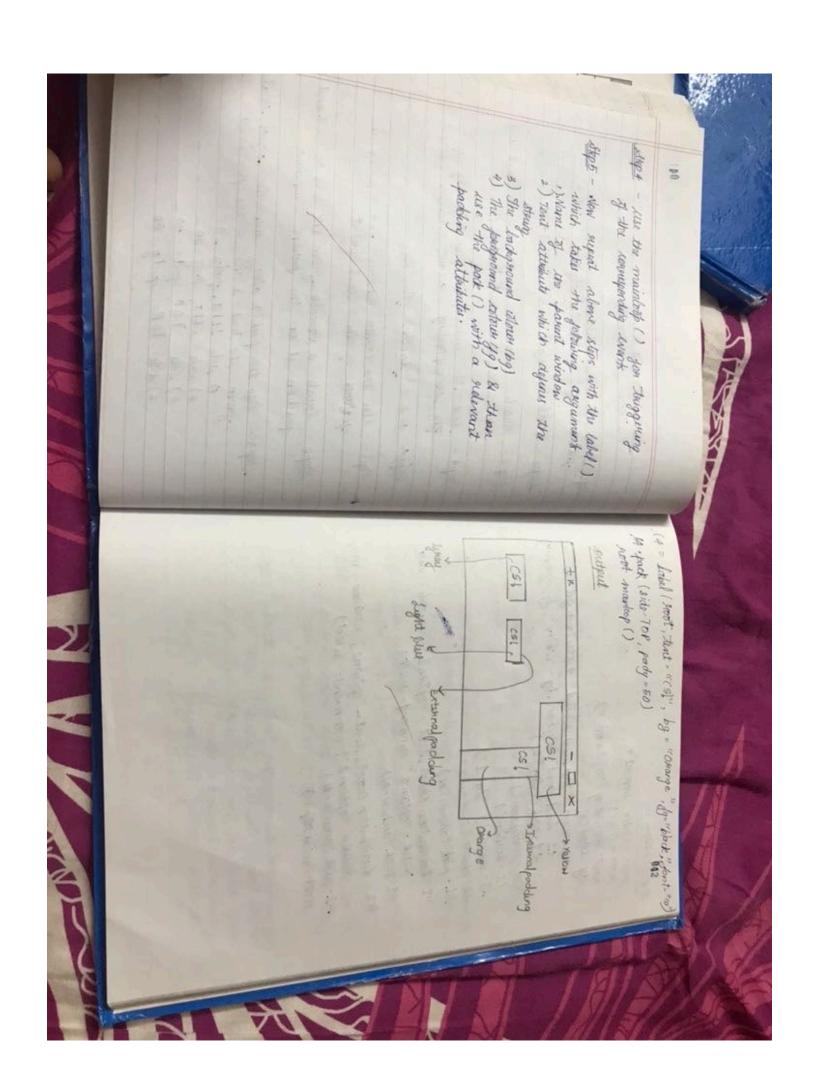
seulstring | = sie findall (" \ w * " , string)

nesulstring = sie findall (" \ w * " , string) # output >>> ['Rython', 'is', 'important']
['Rython', 'is', 'important'] paint (susult2) Steps - use find all () to enteract a word from step - Imposit see module and apply a storing white a expression for entracting award from aliver string along with space character in blue space character in blue space character is blue space character. with space & "W*+" to enter or or word without space.

>>> ['tesc.edu'] >>> ['abc', 'tesc.edu'] ['abc] < ce point (Result) susult = se findall ("+ |w+", staing)
susult = se findall ("+ |w+", staing)
susult 2 = se findall ("+ w| - "), staing) point (noult) string = "abc (a) tesc. edu" imposit 910 Weite a sie for entracting the Ollswiname from email i d

Both Usemans & hostname from email id parameter in findall () 942 - Use And all () to find userrame. Step1 - Imposit 'se module' Sopply ostaring 039





A2- pack (anchos=N) 112 = Radioputton (serot, tent = "options", variable = vay () destruint . House MI = Ratiobutten (Stort, tent = "option1", variable = vas.

Value = "option1", command = solet) 91 - pack (anchosi=N) AL. pack (antion=N) 12 · insort (2, " fut 2" # Radiobutton 12 mint (I Just I") Van = String van () Apot geometry ("500 x 500") from tkinten unport + MODT - TKI) value - "option 2", command = select) t1. pack (side-TOP) selection = "You just selected" + 8th (xan get ())

Lt = Jabel (tent = selection, bg = "white", dg = "gram"

Atops - Imposed the subsward methods from the thirten

Alexand specific penal size of the posterit window

given sebition zava made from multiple option available

Step4 - Now define the povent window and define the

specifying and attitude.

rucate an strict from readisbutton which will take pelowing arguments sparent wordow object, tent variable which will take value option no 1, 2, 3 variable argument coversponding value & trugger the function declared

Alexit - Now call the back () Jos snadio Thiest so created & specify the assignment using anchor attribute.

Steps - Finally make use of the mainloop () along

Stept - Support subvant mothed from the tringer

step - sweats a pasent suject soveresponding to the

Attests - Mse the geometry () for laying set of the words

Stept - Locate shied & use schoolban ()

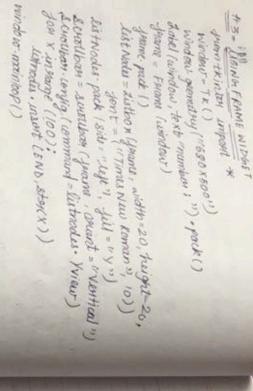
staps - Use the mainted with parent Dyect steps - ilse pack() and slong with scriblban diject

> #2 doublear() fromtkinten unpost * not geometry ("500 x "500") 200t = TK() s. pack (side = "sight ", file = " y") 8=SCHOULDON! option 1

You just selected

@option1

output: () Instrumental



Sharm of warm of the of of

Attept - lise the geometry manager with priced size.

Attept - lise the geometry manager with priced size.

Attept - lise the dobe widget along with power size.

Attept - lise the babel widget along with power size.

045

Step 6 - Alse the listbon attempt along with the functions like width, height, fort Do see at a listbon methods object lise park () for the same.

Step 4 - Alse the screenbon () with an Alject we the same with object weated from the scripgion the same and use park ()

and use park ()

steps- Mr the frame vidget along with the parent styet

Step 8 - Bugger the events using maintedp

word of no of punchs.

Steps - Now define the forame difect form the

sociate another grance Seject termed as in and put it on the parent window on a feet side.

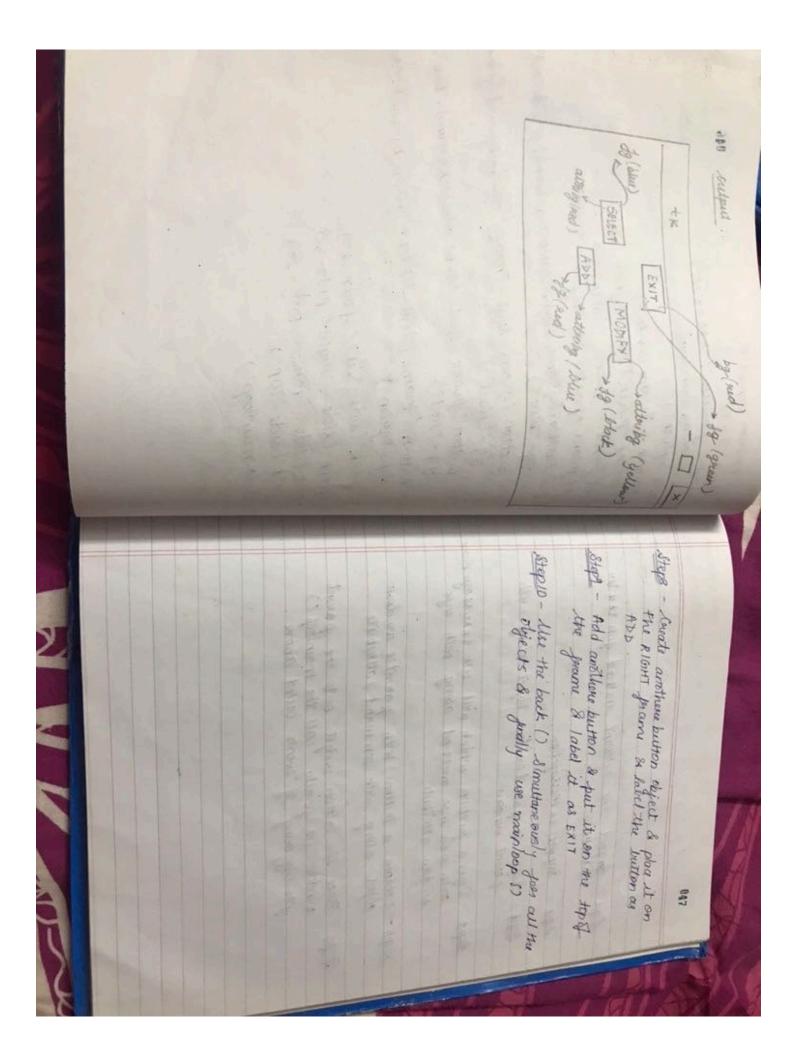
similarily define the RIGHT Joanne & see ently define the Enthen Flyck placed write & some given Josephonne with the attribute as tent active background & Josephonned.

Stops . Now use the pack () along with the side attribute

to the MODIF & spenation put it with frame object on side = RIGHT.

Mindow mainloop()

Lest frame - Frame (window) window = geometry ("680 × 500")
frame = Ferame (window) window - TKC) sight frame = Iffame (window)
sught frame opack (side="sight")
b1 = Button (frame, tend = "select", active bakground="sod
fg="blue") b3 - pack (side = "bottom", pady = 20) b4 - pack (side = "TOP") 62. pack (sids="Left", pod n = 20) Left frame . Pack (side = "left") () source () mem + Kinten imposet * 62 - pack (side = "sight", padn=30) 64 = Button (frame, tent-"EXII", a Grebocky ground = "sud") b3= Butter (frame, text="ADD", orthoback ground="bku", b2 = Bucton (frame, Lint = "modify", active backyoound = yellas ((como 6 , = 8 g ("pose"= 8P 19 - "black")



top mainloop () b2- porte (side = left) b2 = Button (top, tent = "enit") command= is Enjoyed button (pulled 1) # Multiple Window b1. pock (side-RIGHT) Scot. minusize (300, 300) b) = button (top) tent - "nent", command. ay main (); Joseph Trinten imposit * unot - TK() 1. pack () top minus 3. Lent = "SAN FRANCISO In Pull = Jabel (top. Jent = "SAN FRANCISO In Pull Street : In Golden Gate Buidge In Tonsey m) Tonsey m) Tonsey m) top-title ("HOME") top minisize (300, 300) top = Tx() similarity define the function second & use the actorbute accordingly. object & use (onlight), title (), ministiget as dust as button () and use point) & mainly () simultaneously. steps - Declare another function button along with the parentinendour dyet along with minusize function for window size Supposed the scaleward method from the trinter library along with parent windows object declared pareent object and declare button with attribute we fine, RIDGIE, GIROGVE, Finally called the mainless () for paliet widget. furumorpoist commits trava

White a program to draw human face dem - Generatural the use of GOUT by counting a human face and conventing a human fabrichiet

Arge Import relivant methods from trime

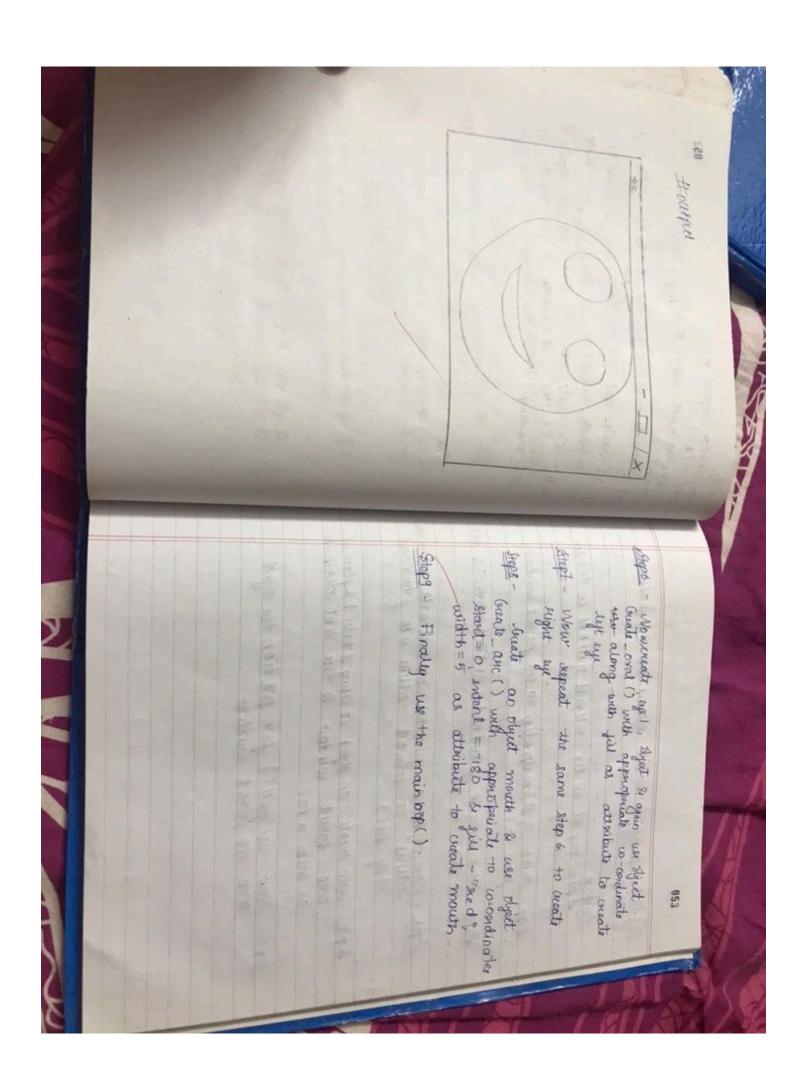
steps - bust an street remapending to the

suate an strict from sarvas!) & place it ento parent window along with hight & width.

Abox - Now we pack () for positioning of

& outline "black", fill = " yellow" New want an strict fore & use object.

> yel= (. Guate-oval (50,50, 350, 350, 350, 360, 360, 360, 360)
> yel= (. Guate-oval (125, 125, 145, 145, Jill="bbut") Just = TK() month = Co create - arc (126, 275, 125, 175. start = 0, entert = -180, width = 5, yill = "med") eye2 = C. Guate - oval 1225, 125, 275, 175, ful = "black") c= convaul scoot, with= 500, hight = 500)



(2) What a pageon to convert relais use with Johnson using bound

Algorithm Support all the salewart methods in to

green TK()

Steps - New initialize jakenchuseit as Dauble Vau () &

Lety4 - When define a function convoid with a celsius into Jahouelly using set().

81455 - New suate an object 12 using datable) & place onto parent window & use tent attention as enter a no:

steps - Now us good () for position the object

Jumpost + (1)

Johnschiet = Dauble von (1)

Johnschiet = Dauble von (1)

Johnschiet = Stable von (1)

Johnschiet = Stable von (1)

Johnschiet = Stable von (1)

L1 - Jabel (window , tent = ((Semposatrum in ulsius : "))

E = sintry (window , tent vosiable = celsi us)

E = grid (190w = 0 , whitn = 1)

S2=Jabel (window , tent vosiable = fabrenhiet)

S2=Jabel (window , tent vosiable = fabrenhiet)

S2=Jabel (window , tent vosiable = fabrenhiet)

S2 = grid (100w = 2 , whinn = 0 , column span = 2)

B = Button (window , tent = "alculat", window = danhol opinion | 10 |

B = grid (100w = 100 | 100 | 100 |

B = grid (100w = 100 | 100 | 100 |

B = grid (100w = 100 | 100 | 100 |

B = grid (100w = 100 | 100 | 100 |

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B = grid (100w = 100 | 100 | 100 |

Temperature 1.2] X

Steps - Tritialize celsius as integer using Theran ()

Steps - Guarde another object & the using Theran ()

Steps - New using and () for positioning the direct onto positioning with test that contains positioning with test wariable attentions to display output & use goid () along with test variable year positioning

Steps - New again use label () along with test variable attentions to display output & use goid ()

Jose positioning

Steps - Tritialize celsius as nawloop ()

The state of the s

Am - Welte a projection to Jud jostosual of number numbers using 6:07

all which a program to find factorial of number using on

Algo - Simport sectioned westrade from tends

steps - von define a function of actorical to calculate fortenial using securisive function.

ofteps - Define arthur juntion calculate to call

steps - Now weath an object with entry () and use part () Just positioning on pount window.

Steps - Now sweat as stylet with button () ale fa yourd .

to show order an object with label !

eft - Finally use the main loop ()

o scessuit-jactosial(int (ontsuftent get ())

scot = TK()

contrylest = entry(scot)

contrylest = pack()

bth = Button(scot, tent = "calculate", command=

bth pack ()

wife = Label (scot, lost, lost = "factorial")

unjo . pack () from trinter impost + def contemporte (): def factorial (n): () doop war . same sche : setion + n==0 00 0==1:

output

			4
-	17	6	
20	aleura		1
	- Mar	Ц	
	000		
			-
			X

Less tode subject that (a. got)

Lety wit (v. get) == 1: wit (a. got)

Lety wit (v. get) == 2:

Lety wit (v. get) == 2:

Lety wit (v. get) == 3:

Steps - Now cucht styect with label () to place it entry window in track with a steps on the place it entry the powert window with label () as numbers.

Steps - Now cucht styect with label () as numbers.

Steps - Now cucht styect with label () as num 2 and use gred of) to place it entry unput Jerom user ()

Steps - Now initialize V as integer using

Step10 Step - Now weate a object with label) - Franky use the maiology 828 to show output . Now cust a ryect with button () along command attribute to carry and account of usures choir a positioning onto prient window - NOW create + objects with Radiobus 11. gold (slow= 0 Column = 0) e 2 - geid (seow = 1) dumn = 1) 12 2 Label (seen 0, when = 1) c) . geri d' (suous = 0, column = 1) ez= entry (scort) 12 goid (suow - 1, solumn = 0) (Label (scot, text = "Ant mano: ") 911=Radio Button (sweet, text = "add", vasioble= v en = Int Vau () 8= Button (shoot tent = "labulate", command 012 = Radio Button (seest Jont = "Multi"), Vacquable & 911. gri d (400=2, wlumn=0) 913 = Radio Button (seest, text = "Mult", Vasuable= V 93= RadioButton (400t, tent=
93. gaid food = 2, when = 3. B. gold I show = 3, whimn = 1, whimn span = 2

point ("Received from server;" + data) mow sun the perguam and sight white were russage=Input ("(")") dy dient perogram (): imposit saket post = 5000 socket . socket () while tour: conn. sav (1024) drods () () 1801 - caso es woon and (date enode ()) Ly data = input (" -> ") went pungeram host = socket gothostnomul) mussage lower () - steep () = bye y not data: print 1" from connected uses " + stratan data= client_socket . succ / 1024

Stept - Now point and dues.

Stept - Now point accept () to accept new consistent with steps.

Stept - Now use scient () to get instance.

Stept - Now use societ many which on to build host address and point together to longique he will be stept.

Stept - Now use societ () to get instance.

Stept - Now use societ () to get instance.

Stept - Now use societ () to get instance.

Stept - Now use societ () to get instance.

Stept - Now use societ () to accept new convey was list simultaneously.

Algo Somposet socket methods that are relevan

Stope - Degins a junction client-pergerorm get to hathami and give pay to valy

Stop3 - Now again initiate by using socket socket ().

Stept - Use connect() to connect the secure

Step 5 - Now take the input (" -> ")

step 6 - Use while conditional loop to

stept: Now use decode to acoive suspone

steps - Now show the data.

Hepa - Again toks input

tep10 - close the parogenam by using ()

client socket dose ()

growput four socket program

p python 3.4 Socket survey py

connection from: (1)2+.0.0.1, 578822)

joint connected was: Hi

whell o

from connected was: Awarene!

ok then, bye!

output jos chent-perogram

\$ python 3.6 Socket = chent.py

Lo H!

permid Jerom server: Hello

Lo How are you?

Rectived Jerom server: Grood

Lo Amesoni!

peremid Jerom server: or then by el

Lo Bye.

[1101, 'Ashatha' /MixaRoad', LF YCS' 115-01-() 350p. mm < << Lighte 3. wuses abject at 0x 83,22 EBE & >>> www. enemate ("select to from student")
259/1ite3. wuscon object at 0x0322 EBE & > >>> wor fetchall >>> un encut ('insent inco student value 15glites. was object at 0x0322EBEDS >>> we execut ("insent into student values 199/1 to awson object at 0 x0 32 DE BE O # LABORE IN SHELL ENVIRONMENT >>> imposet 89/160 3 () HOSHINY . UMON = HAN <<< >>> imposes squite 3; connoct ("Student) >>> cust smecute (comate teible student (102), 'Alentino", "Bosuvali" " (101, "Akshotha", "MitaRoad", "FYes 1120-05-2001") nanu vanday (50) not neu vay by vay way to ate))) not neu, day vay dob date))) uto (not (5) poum courte Atgosuthm Step 4 - Now use cur enumb () to weate a step3 - NOW inHalize a varyable to new database using entension db siepl - Imposit salites medule to import sum. Demonstrate the use of database Steps - pase commit () to save all changes Steps- use getinal () to show ofp. Stept - use close to toumente tourninate connectivity pol statements to main uplate data. Peractical -a the pergam.