05-02-24 01 0) Page No. Expt. No. Experiment-01 # AIM º waite paredicates one convert centaigrade temper atures to pahrenheit the other checks if a tempera ture is below forcezing using python. # Handwane I softwane Required = 5124B, SSD, Intel cone 15 PC, python 3-12.2 Softwage # CODE = # Function to convert celsius to Fahrenheit def ceisius to fahorenteit (colsius temp): farmenteit temp = (celsius temp + 915) + 32 return fahrentheit temp # Function to check if the temperature is below facezing defis below freezing (celsius temps. if celsius tempto: SURT MEDITAR setuar False # Example usage = GOOD WRITE Teacher's Signature:

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	nature = float Comput	C"Enter temperatus
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	mpenatune = ceisius _ +	to_Fahorenheit (cal
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II .	sius temperature	
& Fahrerzheit	temperature 3° F11)	
if is below +	facezing (celsius	+empenatones.
Paint C" The to	emperature is bel	("gerisses wo
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paint ("The +	emperature is abov	e facezing's
tarit		
1	Children of the Party of the Pa	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

12-02-24 03 02 Page No. Expt. No. Epopesiment - 2 # AIM write a program to remove punctuation from the given using python. # Handmane I soft mane Required = 5126B & SSD, Intel come is pc , python 3-12.2 softwane. # code = # Imposit the staining library to get the punctotion characters prinets strogmi # Define a Function to siemove punctuations from a giver string def remove ponctuations cimput strings: # Define a translation table to remove punctuation translator = str. maketrans (') " string Punctuation # use the trianslate method to premove punctuations siction input string translate Ctranslaters # Example usage Teacher's Signature:...

0.2 Expt. No.	Page No.	Date
input string -	"Hello!!! he said	- and went'
no panetuation	String = siemove puni	ctuations Cinput stan
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19-02-24 0.5 03 Page No. Expt. No. Experiment -03 # AIM = write a program to sout the sentence in alphabetical ondes. Handware I software Required -北 SIZGB SSD Intel come 15 PC python 3.12.2 soft-Wanc. # code = def sont sentence alphabetically (sentence): # spirt the sentence into woords woods = sentence. split () # Sout the words alphabetically Somted_ words = Somted (woods) # Join the souted woods back into a sentence Souted sentence = 1000 (Souted woods) Sontence bottes meutale # Escample sentence example Sentence = " python in a powerfull programming 1arguage" # sort the escample sentence sonted _ example _ sentence _ giphabetically concample) GOOD WRITE

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	04 06 26-02-27 Expt. No. Page No. Date
	Experiment-04
#	MIM? workte a poragonam to implement Tie-Tac-Toe gaming using python.
#	Handwane I soft mane Required = 512 CMB 3 55D 3 Intel come 15 Pc 3 Python 3.12.2 Software
#	code °
	def paint - board Choard): foor now in board:
	Paint ("1" "0" 2 (210W))
	Paint ("-"+9)
	det check win choosed playess):
	winz_conditions = E
	[boand[0][0] boand[0][1] boand[0],[2]]
	Eboard EIJ [07) board EIJ EIJ board EIJE273
H	[board [2] [0] board [2][1] board [2] [2]]
	[board [0][0], board [1][0], board [2][1]]
	[board [0] [1] board [1][1] board [2] [1]
	[boand [0][2] board [1][2] board [2][2]]
	Floored FOI FOI , bo and FII FIT, board F27 [27]
	[board col[2], board [1][1], board [2][0]]
	7
	A Most of Quatiny

	64
	return [players players players] in win corditions
	def playese_move Chowlds players:
	while Towe:
	tay:
	now = "ret c" rput cf" player & player & enten your
	move 510 w C1-33"33-1
	col = int cirput cf" player & player 3 o enter your
	move column C1-3):11))-1
	if board Foro wil Ecoli = " "
	board Enowa Ecola = player
	bareak
	cise:
	Print C'This position is already taxen. Please choose
	another.")
	except (value evenosis, Index Esenosis;
	Print (" Invaled move . Please exten now and column
H	Company to all so amon as
	def play games:
	board = EE' 1 Foor in stange CROOK Foor in stange
	C 322 I
	current - player = "x"
	Posint c' welcome to Tic-Tac-Toe! 1)
	Foor_in stange (9):
	Compand Cheards tripes
	TE Check - (100 Teld) cuspent - players
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<u> </u>	05 09 04-03-24 Expt. No. Page No. Date
	Esapesiment-05
#	wante a parogram to implement hangman game
#	Handwane I softwane Requined = 512 UB, SSD, Iztel cone is per python 3:12.2 soft wane.
	code =
	# List of words to croose from woods = ['pythor's javas koti'z's javas cript']
	# Randomy scient a word from the list word = prandom, choice (words) quessed_word = [-1 foor_in word] # Placeholder
	for gueroed letters attempts = 8 # Number of allowed in coorect
	queroed_letters = set c) # Keep track of gueroed letters
	Posint C" HANGMAN") While attempts 0: Posint C)
	Point Cilboint (quessed _ woord) GOOD WRITE A Mark of Quality_ Teacher's Signature:

05 Page No. Expt. No. quess = input (" Input a letter;") # check if the tete letter was awady guinsed "+ quess in queried letters" paint C"No improvements ") attempts =1 e18 e : queroed_ letters. add Lquess) # check if the gueroed letters in the world if guess in woord: foor i've orange cler cwoord) "+ woord E" = = guess: queroed wood [i] = quess # check if the wood is fully goened if _ motiz goesoed - woord; paint ("you gooved the world!") paint (11 you survived 111) break eise Parint c" That letter doesn't mappearin the world") attempts =) if attempts = = o . Porint ("you lost)") GOOD WRITE

11/03/24 06 Page No. Expt. No. Experiment - 06 # AIM : write a program to implement Breath Finst scarch Toraversal using python. # Handware 1 software Required = 51248 , SSD , Intel come ispc , pythor 3.12.2 software. # code = 24ap2 = { 5 = [3,71] 131= [4] 75 , +1 . [,8,] 121: [] > 14/3 E3/32 81: [] Visited = [] # List for visited nodes. queve = [] # Initiatize a queuc defbfs (visited, graph made) : # function for BES Visited append (node) queve, append (mode) while queue ; # creating loop to visit each mode GOOD WRITE Teacher's Signature:....

0.6 Expt. No.	Page No.	Date
m=queue.p	cp(0)	
if neighbouse nor	2 graph [m]:	
visited append	(Creighbara)	
# Danvege code Parint ("Following bfs (visited)	gis the Boreadt	to - Finst scanok!')
Jonts		
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18-03-24 07 Page No. Expt. No. Experiment-7 # AIMS write a program to implement water jug problem using pythozo # Hardware I software Required = 512 48 5 SSD J Intel come 15 PG , pythor 8.12.2 Soft wase you are given zjuge with capacity in and in reape chivery. They are given empty. There is ar unimited Supply of water . you care either fit the capacity that is less than the given capacity of jugo. Now you are also giver id using the 2 giver jugs you need to come up with a soin to have of water them and network the number of steps you took to neach that capa code º Form collections imposit deque def solution (asby tanget): m= 5,3 issolvable = False Path = [] GOOD WRITE

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# Initraizing	with jugo being a	
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while Clercy	>00 €	
# (423)	ert state	The second second
U = 9. F	opicfc)	
\$ 4 C(0 L	: ((0) E 130A C EO.	
con	ince	
path app	end ([U[o] o [I]])	
mELUEO:	1-(([1])	
= [0] 0] = 1	= tanget [1].	== + orget);
	Ivable = Tare	
94 ((UEO] = = Tonget)	;
•	\$ CO = 1 [1] 0] \$	
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	at civil path Eis	1207.110110
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15..... 07 Date Page No. Expt. No. q.appendCIUIOI , b]) # Fill Jug 2 q.append (Ico UEIZ) # Fill Jug1 Fo scapin stange (masc cas b) + 1); C = UEOI +ap d= U [1] - ap if (c = = a or Cd = = o and d> = 0)): quappend CEase I) C=UEOJ-ap d = UCIZ + ap if cc c==0 and ch=0) or d==b) q.apperdc Ecod 3) CEOCO SU Drogge.P grappend ([asb]) Crot is solvables: Paint (" solution not possible") 1 + mame == 1 mair !!! 1Jug1 5 Jug 2 stanget = 45 <17 Porint (11 patre from initial state") 11 to Solution State ! Solution C Jugl , Jug2 , tonge 6) GOOD WRITE Teacher's Signature:...

16 1104124 08 Expt. No. Experiment - 8 # AIM ? unite a paragram to stop woods fore giver passage from a text file using NLTK. # Handware/software Required = SIZUB, SSD, Iztel come is pc, python 3.12.2 software # code -Imposit reltk from ruth. compus imposit stopusords forom ritk tokenize impost word tokenize # Make sume to download the stop woods set if you havor't already ritk. download (purkti) mitk. download (stopwoods1) # Function to siemove stop words forom a passage of text . def oremove_stop_woods cfire-paths? # Read text from the file with open Chile path 1911 as the: text = fic. nead () Teacher's Signature: GOOD WRITE

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		ze the teach pr		
	wonds =	wood tokeniz	e (text)	HE STREET
	# 6100 +	ne set of Eng	glier stop	Spieom
	Stop- W	091 de = 80+C21	-op wonde	· (nuside Clandischa)
	# Remove	stop wonds -	form the	tokenized word
	1986		Carlo Carlos de	
	filtered +	est = Ewood foo	1 wood in	. Dreow 7; 25 Row
	lower Com	ot in stop - wo	Lapre	
	# 3012 W	onds back to fo	orme the	staring without
	Stop wood	S		
	filtered	+ext = " 101/2 Cf	ritered te	oct)
	oreturn A	iltered - text		
	# usage.			
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\parallel		rest file path	/	CARCOLL TO MERCH
-	paccesse	d text = oremo	ve-stop-	woods (file poth)
1		go corped text		
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	Expensionent -09
#	AIM? white a program to implement sterning from a givers sontence using NLTK
#	Handware 1 software Required =
#	5126B SSD , Intel come is PC , pythor 3.12.2 software
	From ritk. steam imposit posites stemmest From ritk. tokenize imposit word _ tokenize
	# Make some to download the punkt tokenizer model if you haven't already nitk download Ciponkti)
	# Function to stem wands in a giver sentence def stem - sentence (sentence): # Tokenize the sentence into woords
	wonds = wond tokenize (sextence)
	# Greate a new Stemmen = positese stemmen() Stemmen = positese stemmen() # stem each word in the sentence
	# Stem each leacher's Signet

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