11		
Collection and Collec		Experiment Program To exchad mail ID's, validate user password
	7)	Disign a python program Using engular ischristion to.
	(۵	Extract Email ID's from a given text
	b)	validate the during passward with minimum
		lungth = 6 and marcimum lungth = 16 and must
		have at deast one down case letter, upper care
		letter, number and special symbol (#, @, \$, _)
	7a)	import re
		S=input ("enter a extring")
_		wards = so speit ()
_		for word in words:
_		obj= su. match ("^[0-9 A-Z a-Z]+@[a-Z A-Zo-9
_		+\.[a-z A-z]*", woud)
		y obj:
_		puint (word)
		else:
	And in	puint (none)
	7b)	impart se
		password = input ("inter a password")
		Obj = su. match ("^(?=.*[a-z])(?=.*[A-z])
		8=. * [0-9]) (?=. *[-@#\$] [0-9 a-z A-z_@#\$]
_		{6,16} \$ ", password)
_		if obje
_		print ("valid password")
_		else:
		puint ("Trudid pass word")

Output :

7a)

Lenter a voluing chaishanya762@gmail.com and my
atter mail ID is 20000192@vvce.ac.in and my
yahoo ID is chai @ yahoo.com

chaith anya 762@gmail.com Rocse0192@vvce.ac.in Lhai@yahoo.com

The sentul the password chaithanya founded

enter the password ammu@1234#

valid.

	Experiment No. 08. Date 28/12/21 Page No. 12 Name of Experiment Traverse & display all files & Subdivectories.	
8)	Perform the following file operations using Python program.	
	Thankerse a fath and display all the files and subdirectories in each level until the deepest	
	Level for a given path, Also display the total number of files and subdirectories	
b)_	Read a file content and copy only the contents at odd times into a new file.	
a)	impaut 05 ipoth = 05. walk ("F:/filehamdlut/godd morning") filecount = 0	
	foldercount = 0	
	for root, subdirectaires, file in patt:	
	puint ("400t", 400t)	
	puint ("subdirectories", subdirectories)	
	puint ("files", file)	
	filecount + = dem (file)	
	folder count += lin (subdire douils)	
	print ("Total files", filecount)	
<u>'</u>	puint ("Total subdirectaries", folder count)	
P)	file 1 = open (" F: /filehandley/helloworld.toct")	
10)	string = fiter. mad ()	
	dine - atting . septitlines()	
	oddline = ""	

experiment No	copy contents at odd dinus to another file	13
lame of Experiment . Nead. &	copy construction and across to attorning file	
Lou index	in mange (o, lin (linu), 2);	
U	in uange (o, lin(linu), o): oddlinu += linu(indesc] + °\n²	
filea = open	("F:/filehandly / good.tod", "w")	
Pilca. wente (a	oddlinu)	
file 2. close (
file 1. close		
puint ("com		
Janua Com	patro	u statum on gran est annum from in meto de
	John 122	
	21/12	
A 1		
	the Argentin of the second of the second	
27 N N N N N N N N N N N N N N N N N N N		
	-s Pw 15	
	I THE ENGLISH CASE A CLA	
	The state of the s	sa. Andrews
	the first the second of the se	i salat ali
		1

```
Output:
```

so) stoot F:/filehandley/goodmarning

bubdirectainer ['chaithanya', "Newfolder']

files ["oprogram.txt', "python.txt']

400tF:/filehandley/goodmorning \chaithanya 5

subdirectarier[]

files [e New Text document .txt', e New Text document 1.6xt']
400tF: /filehandler/goodmorning \ Newfolder

Sub directaries []

files []

Total files 4

Total subdirectaries 2

output :

completed.

FILE

Dhelloworld - file

hello would

I'm chaithanya

good mouning

how are you?

hope you are doing good

take Lare

FILE 2

□good - file

hello world

good morning

nope you are doing good

الم المستقلية

the destructions

and least

Lumburgulle 7

and large and an appropriate of the

Experime Name of	Experiment CSV file handling
9)	Durlop an application using 'trinter' package to nandomly assign program no's for estudents and estare assigned details in csv file
	from tkinter impart * impart vandom
	window = tkinter.TK() window. tetle ("Puogram 9") window. geometry ("300 x 250")
	menbage - Sluing Var ()
	Jabi = Label (window, text = "Randomly assigning pragua Jabi = guid (now = 0)
	lab2 = Label (window, lest = "entry no of students") lab2. guid (yow = 1, column = 0)
	students = Entry (window) students . quid (row=1 > column=1 > pady = 10)
	lab3 = Label (auindow, List = "enter no of program lab3. grid (now = 2 > column = 0)
4	энодиат = Entry (window) рноднат. grid (ноw = 2, volumn = 1)

Experime	Page No. 15
	lab 4 = Lobel (window, directraniable = missage) lab 4. guid (40w = 4)
	def deutlon Clicked (): no-of-studemis: studemis. get () no-of-puograms: puogram. get () data: ""
	if na-of-Students. is digit() and no-of-programs. isdifau i in range (1, int (no-of-students)+1): data += "student" + volu(i) + "," + "program data += str (random. randint (1, int
	(no_of_programs))) + "\n" file = open ("students, csv", "w") file . winte(data) file . close() .sd mco_mappage("File Condent co.) "A mode
	måg: message ("File (student. (sv) is weady, you can open it")
	msg-missage. sit ("invalid")
-	etn = Button (window) text = "submit", command = butlondi
u	vindow. maimloop ()
	8/2/21

Output: -

/ PROURAM 9	- [] X
Randomly assigning programs to	direbuta i
enter no of students 5	
entu no of programs 4	
Submit File (Student · CSV) us meady, you c	an open it.

Student . CS V

student 1, program 1

student 2, program 1

student 3, program 3

student 4, program 4

student 5, program 3

xperiment No 10 Date 08-02-2022 Page No. 16
ame of Experiment Interactive dictionary application using Isar file
Levate am interactive diationary application in Python by reading the external TSON file which contains words and different meanings associated with it. Program will ask the user for a word and returns the meaning for the user given would from the TSON file, if the eather meaning is not available for the user given word, the program should through suggestion to user by amalyzing the word to check if a user somehow mistypes the word and meaning
bomething use
impart ison
impaut difflib
file = open ("meaning. yson")
dictionary - yson. Load (file)
word = Input ("unter a word")
if word in dictionary. Rusc):
puint ('meaning of ward":, ward="-" dictionary[word]
use:
similar = difflib. get-close-matcher (ward, dictionary. kys)
if Eden (similar) > 0:
similar = Similar [0]
print ("Did you mean", similar, "? yes ar no").
your = input ()
y yorn == "yes":
print ("Meaning of ward:", similar, "-", dictionary [similar])
- 3 actionary Landard

Experiment No. 10. Date 8/2/22 Page No. 17 Name of Experiment puint ("no match found") Ubl:
puint ("no match found")
puint ("no match found")
ulst:
puint ("no match found")

[wanal json file]
meaning.json

{
"A-game": "one's highest level of peuf ournance",

"uniogus": "angruy; intatated",

"kvell": "meaning to talk admirely",

"park": "a public garden ou dud for recreation"

Output :

- neaming of word: park a public garden or ana for recuration.
- 2) enter a word: Agame
 Did you mean A-game? sony yes on no
 yes
 meaning of word: A-game one's highest level
 of performance
- 3) smill a award: hello no match found.