**Assignment Python**

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**1.Write python code to implement the concept of do…while loop.**

**Dowhile.py**

i=int(input("Enter Number : "))  
  
while True:  
 print("part of do while condition...")  
 i = i + 1  
 if(i > 5):  
 break

**2.** **Write python code to read student data from .csv file (eno, name, city) and display city wise total student data.**

Output:

City No. of Students

Mehsana 3

Gandhinagar 2

Ahmedabad 4

**Csvfile.py**

import csv  
mylist=[]  
output=[]  
with open("stud.csv",'rt')as file:  
 csv\_row = csv.reader(file)  
  
 for row in csv\_row:  
 mylist.append(row[2])  
   
 mylist.remove("CITY")  
 output=list(dict.fromkeys(mylist))  
  
 print("STUDENT CITY :")  
 for x in output:  
 cnt=mylist.count(x)  
 print(" ",cnt," ",x)

**3.** **Write python code to design login page using Tkinter module. Verify that the UID and Password is valid or not from .csv file. (UID and Passwords of different users are stored in csv file). Get UID and Password from Tkinter entry widget and compare with UID and Passwords stored in csv file. If valid then print welcome + UID message in message box else print wrong credentials message in message box.**

**Login.py**

from tkinter import \*  
from tkinter import messagebox  
import csv  
  
def getval():  
 user=userval.get()  
 pass1=passval.get()  
 with open("login.csv", 'rt')as file:  
 csv\_row = csv.reader(file)  
 login=""  
 for row in csv\_row:  
 if row[0] == user and row[1] == pass1:  
 login=True  
 break  
 else:  
 login=False  
  
 if login==True:  
 messagebox.showinfo("RESULT", "Welcome " + user)  
 else:  
 messagebox.showwarning("Error", "Wrong credentails")  
  
  
root=Tk()  
root.geometry("644x333")  
  
root.title("Login system")  
  
lable=Label(text="User Login", font=100,fg="red",pady=15).grid(row=0,column=3)  
  
userl=Label(root,text="UserName").grid(row=1,column=2)  
passl=Label(root,text="password").grid(row=2,column=2)  
  
userval=StringVar()  
passval=StringVar()  
  
userentry=Entry(root,textvariable=userval).grid(row=1,column=3)  
passentry=Entry(root,textvariable=passval,show="\*").grid(row=2,column=3)  
  
  
  
Button(text="submit",command=getval).grid(row=3,column=3)  
  
  
  
root.mainloop()

**4. Write python code to get 10 numbers from user. Check if the number is even then store them in even.txt file and if the number is odd then store them in odd.txt file. Prepare separate module to check the number is even or odd.**

**Oddevenfile.py**

import module as sk  
num=int(input("Enter Number of user input :"))  
even = open("even.text", "r")  
odd = open("odd.text", "r")  
for i in range(num):  
 no=int(input("Enter Number "))  
 if no % 2 == 0:  
 sk.evenfile(no)  
 else:  
 sk.oddfile(no)  
  
print("Odd Number File OPEN :\n",odd.read())  
print("Even Number File OPEN :\n",even.read())  
  
odd.close()  
even.close()

**module.py**

def oddfile(no):  
 odd=open("odd.text","a")  
 odd.write(str(no))  
 odd.write("\n")  
 print("Number Is Odd : ", no)  
 odd.close()  
  
def evenfile(no):  
 even=open("even.text","a")  
 even.write(str(no))  
 even.write("\n")  
 print("Number Is Even :", no)  
 even.close()