Q1.

PRACTICAL ASSIGNMENT FOR CLASS XII (PYTHON) - 2015

Write a program using user defined function which accepts an integer list and its size as arguments and swap the elements of every even location with its following odd locations.

Write a program to read a Time class object storing hours and minutes. Raise a user defined error if values other than 0..24 is entered for hours and other than 0..59 is entered for minutes.

Write a program to store few sentences in a file SENT.TXT then count and print number of "to" Q3. and "the" present in a file.

Write a program to demonstrate use of Single Inheritance using class STUDENT (name, house) and class MARKS (eng, phy, chem, maths, cs).

Write a program to accept any 10 integers and print the list in descending order using Bubble sort/Write UDFs to accept, sort and print sorted data.

Write a program to create a data file STD.TXT which will store name and phone numbers of any 5 students and then ask the user to enter name and print his/her phone number if it is Q6. available in the file otherwise display a message "Not found in the directory"

Define a class student in Python with the given specifications: QT. Instance variables:

Roll number, name

Methods:

Getdata()- To input roll number and name Printdata()- To display roll number and name

Define another class marks, which is derived from student class

Instance variable

Marks in five subjects

Methods:

Inputdata() - To call Getdata() and input 5 subjects marks.

Outdata() - To call printdata() and to display 5 subjects marks.

Implement the above program in python

Write a program to accept employee's name and his basic salary of any five Employees and store in a file EMP TXT and print the given output:

SALARY REGISTER

Total PF Net-pay Basic Da Hra

(DA is 60% of basic, HRA is 10 % of Basic, PF is 10% of Basic+DA)

A class STUDENT has three data members: name, roll number, marks of 5 subjects. Write a program to accept the data and print his Stream according to given conditions:

Stream %age

96% or more Computer Science

Electronics 91%-95%

Mechanical 86%-90% Electrical' 81%-85%

Chemical 76%-80%

Civil 71% - 75%

Q10. Write a program to accept name, amount collected from student and house (Chenab, Ganges and Jhelum) of any 5 students, store in a file STUDENT.TXT then print the given output of the given house:

Name of the student	House	Amount collected
Name of the student		

Write a program to store any five login and password to a Tuple then ask the user to inter login name and password and display "access allowed" if both are correct otherwise display "Access denied".

Write a program using class Travel with data members (people visited, amount collected). Write the following methods:

a) To assign initial value to data members

b) To increase no. of people in case ticket is not sold

c) To increase the people, if ticket is sold (Ticket is Rs. 50 per person)

d) To display no. of people visited and total amount collected

O/13. Write a program to store any 10 names in the list then and print all names in alphabetical order using selection sort.

Q14. Write a program to calculate electricity bill and print the output in the given format: (store 5 records in a file CGEB.TXT)

Prev_reading Consumed unit Bill amount Consumer's name Current_Reading

Conditions:

Rs. 0.75 per unit Upto 100 units Rs. 1.25 per unit Next 100 units Rs. 1.75 per unit Next 100 units above 200

Rs. 2.25 per unit Above 300 units

Write a program to store 10 numbers in a linear queue and design the given menu to access queue.

1. Add 2 Delete 3 View 4 Quit

Write a program to accept any date in dd mm yy format and print it as given example using structure: (Input can be any date from user). Use Dictionary.

22 5 2002 Input: 22nd May 2002 Output:

Write a program using CLASS to accept name of a person and Total income and Print the income tax from the given table.

Income Slab Nil Upto 35000 20% From 35001 to 60000 30% From 60001 to 120000 40% Above

- 186. Write a generator function to generate fibonacci series and call function in the program to print series (max. upto 10 terms)
- Q19. Write a program to accept roll numbers and percentage of 10 students and store in a file RESULT TXT then print the merit list in a suitable format.

	026	Write a prog	gram to prep le)	pare the	given outpu	for any 5	records.			
		Name	cla	SS	Cat (BSF	P(NBSP)	Se	×		
		Total BSP Total NBSF Total Boys Total Girls								
	Q21/	Write a pro Method. W	gram to acc rite user del	ept any fined fund	10 integers ctions to in	and search out_data() a	n any giver and Bseard	n number u ch() to sear	ising Binary rch data.	Search
	022	1 Push 2	gram to acc 2. Pop 3. \	View stad	ck contents	4. Quit				
	Q23.	sorted orde	er or not. Als	so write	program to	call user de	etinea tuno	ction		
	9/4	not. (Horiz	ontal, vertic	al and di	agonal sum	will be sar	ne).		s à magic s	
(925	search the	name in the	e file and directory	l display ph	one numbe	er it preser	it otherwise	file PHONE e display a r	nessage
-	7926.	to access	queue: 1. A	dd 2.	Delete 3	Mew, 4. E	XIL		given menu	
	921.	Write a Qu five count	ries in a file	QUIZ DE	3F and dis	play the car	oital of tha	t country w	hich the use	er wants.
	/	format usi	ADD_DAYS ing DISP_D	() to add ATE() at	10 days to ter adding	entered da 10 days. (U	se class)	play flew c	iate iii a sui	table
	029	. Write a pro words and List_palin	d display all	ate a tex words w	t file name hich are pa	d WORDS.	TXT which	h will have defined fun	collection o ction	f
	03	Discount	ass ITEMIN em Code), It (Discount p	em (Item	Name). P	rice (Price o	or each ite	m), Qty (qu	antity in sto	ock),
		If Qty<=1 If Qtv (11	er function F 0 Discount to 20) Disc	is 0 ount is 1		ate discount	t as per the	e following	rule:	
		A constru Discount	O Discount actor(init_	is 20 metho		the value	with 0 for	ICode, Pri	e. Qty, Net	price and
		A functio	()	allow use				, Price, Qty	and call fu	nction
		to calcula A Function	ate the disco on ShowAll() to allow	w user to vi	ew the con	tent of all t	the data me	embers	
						ZUNJANI				