

## **Case Study :-**

### **Problem:-**

MCQ Based Online Exam Application

### **Description:-**

Participants are provided with "question.csv"

Participants have to prepare two python filenames named

1) question\_master.py

2) exam\_client.py

### **Sample format of question.csv:-**

num,question,option1,option2,option3,option4,correctoption

1,10+20 ans is,op1=20,op2=30,op3=40,op4=10,op2

2,20-10 ans is,op1=20,op2=30,op3=40,op4=10,op4

3,2\*2 ans is,op1=4,op2=5,op3=6,op4=7,op1

4,5/2 ans is,op1=2.5,op2=3,op3=6,op4=7,op1

5,captial of india,op1=delhi,op2=blr,op3=mum,op4=chn,op1

6,linux is a \_\_\_\_\_,op1=os,op2=app,op3=game,op4=antivirus,op1

1) Read the questions from questions.csv and prepare a python nested DATA STRUCTURE

Display a menu options - "Question\_Master.py"

1) Add a question - let the question num be auto-numbered

2) Search for a Question based on quest num

- 3) Delete question based on question num
- 4) Modify the question based on question num
- 5) Display all the questions
- 6) Exit menu

2) when we run "ExamClient.py",sample screen

Display

Today's date and time 15/Sep/2024 12.46.30

Enter student name : Vijay

Enter university : cisco

Display the question from the Nested DATA STRUCTURE

1) 10+20 is equal what ?

op1) 20

op2) 30

op3) 40

op4) 10

Enter u r choice :

on the completion of the TEST, Display the following details

Student name = Venky

University = Cisco

Marks-scored = 8 correct out 10 questions

>> Adopt modularity

>> where ever class is needed uses classes

>> use loggers

>> if needed add some verifications

>> use try-except - exception handling