

Quiz assessment Mini Project

In [19]:

```
from random import sample
from user import users
score=0

def menu():
    print("1.Add Questions")
    print("2.Take the Quiz")
    print("3.Get the Score")
    print("4.Exit")

def addQuestions():
    print("1.Through console")
    print("2.Through file copy")
    ch=int(input("Enter your choice:"))
    if ch==1:
        Qfile=open("QBank.txt","a")
        s=""
        print("*****Add Q through console*****")
        Q=input("Enter your question:")
        op1=input("OP1:")
        op2=input("OP2:")
        op3=input("OP3:")
        op4=input("OP4:")
        ans=input("ANS:")
        s=Q+"#"+op1+"#"+op2+"#"+op3+"#"+op4+"#"+ans+"\n"
        Qfile.write(s)
        Qfile.close()

        if ch==2:
            print("*****Add Q through file copy*****")
            source=input("Enter the file name:")
            ifile=open(source,"r")
            Qfile=open("QBank.txt","a")
            s=ifile.read()
            Qfile.write(s)
            Qfile.close()
            ifile.close()

def takeQuiz(QL):
    for Q in QL:
        #print(Q[0])
        L=Q[0].split("\n")
        print(L[0])
        i=1
        for op in L[1:]:
            print(i,op)
            i=i+1

        ans=int(input("Enter your answer:(1\\2\\3\\4):"))
        global score
        if ans==int(Q[1]):
            score=score+1

username=input("Enter the username:")
password=input("Enter the password:")
if users[username]==password:
    print("*****Welcome to My assesment*****")
else:
    print("!!!!!!Invalid password!!!!!!")
    exit()

while True:
    menu()
    ch=int(input("Enter your choice:"))
    print(ch)
    if ch==1:
        addQuestions()
    elif ch==2:
        Questions=[]
        print("Take the quiz...")
        Qfile=open("QBank.txt","r")
        for line in Qfile:
            qc=line.strip().split("#")
            QL=qc[0:5]
            s="\n".join(QL)
            Questions.append([s,qc[5]])
        n=int(input("How many questions would you like to have in assesment: "))
        RL=sample(range(len(Questions)),n)
        QL=[]
        for i in RL:
            QL.append(Questions[i])
        takeQuiz(QL)
        Qfile.close()
    elif ch==3:
        print("Your score is ...",score)
    elif ch==4:
        print("Exiting from application...")
        break
```

Enter the username:Rishi
Enter the password:Rishi@123
*****Welcome to My assesment*****
1.Add Questions
2.Take the Quiz
3.Get the Score
4.Exit
Enter your choice:2
2
Take the quiz...
How many questions would you like to have in assesment: 4
what is the current month?
1 Jan
2 Aug
3 Feb
4 Apr
Enter your answer:(1\\2\\3\\4):1
what is 3*7=...
1 20
2 21
3 18
4 37
Enter your answer:(1\\2\\3\\4):2
what is the name of our country?
1 India
2 AP
3 KA
4 TS
Enter your answer:(1\\2\\3\\4):1
what is the capital of INDIA
1 Delhi
2 Bangalore
3 Hyd
4 kolkata
Enter your answer:(1\\2\\3\\4):2
1.Add Questions
2.Take the Quiz
3.Get the Score
4.Exit
Enter your choice:3
3
Your score is ... 3
1.Add Questions
2.Take the Quiz
3.Get the Score
4.Exit
Enter your choice:4
4
Exiting from application...