```python
#Project for conducting quiz
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'''
Kindly run the following mysql queries before running the project::
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create database quiz;

use quiz;

create table question(qid int(4) primary key,question varchar(500) not null,op1 varchar(100) not null,op2 varchar(100) not
null,op3 varchar(100),op4 varchar(100),ans varchar(100) not null);
'''
import sys
import mysql.connector
import random

mydb=mysql.connector.connect(host="localhost",user="root",\
                passwd="",database="quiz")
mycursor=mydb.cursor()

# Function defintion for Home Page
def Home():
    f=1
    while f!=3:
        print("Welcome to Quiz")
        print("*******************")
        print("1. Enter Questions")
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        print("2. Take Quiz")
        print("3. Exit")
        f=int(input("Enter your choice: "))
        if f==1:
            Question()
        elif f==2:
            Quiz()
        elif f==3:
            print("Exiting the Quiz")
            mycursor.close()
            mydb.close()
            sys.exit();
        else:
            Home()


def Question():
    ch='Y'
    while ch=='Y' or ch=='y':
        print("Welcome to Question Portal")
        print("*********************")
        q=input("Enter the question :")
        op1=input("Enter the option 1 :")
        op2=input("Enter the option 2 :")
        op3=input("Enter the option 3 :")
        op4=input("Enter the option 4 :")
        ans=0
        while ans==0:
```

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        op=int(input("Which option is correct answer (1,2,3,4) :"))
        if op==1:
            ans=op1
        elif op==2:
            ans=op2
        elif op==3:
            ans=op3
        elif op==4:
            ans=op4
        else:
            print("Please choose the correct option as answer")
    mycursor.execute("Select * from question")
    data=mycursor.fetchall()
    qid=(mycursor.rowcount)+1

    mycursor.execute("Insert into question values (%s,%s,%s,%s,%s,%s,%s)",(qid,q,op1,op2,op3,op4,ans))
    mydb.commit()
    ch=input("Question added successfully.. Do you want to add more (Y/N)")
Home()

# Function defintion for Quiz
def Quiz():
    print("Welcome to Quiz portal")
    print("*********************")
    mycursor.execute("Select * from question")
    data=mycursor.fetchall()
    name=input("Enter your name :")
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rc=mycursor.rowcount
noq=int(input("Enter the number of questions to attempt (max %s):"%rc))
l=[]
while len(l)!=noq:
    x=random.randint(1,rc)
    if l.count(x)>0:
        l.remove(x)
    else:
        l.append(x)
print("Quiz has started")
c=1
score=0
for i in range(0,len(l)):
    mycursor.execute("Select * from question where qid=%s",(l[i],))
    ques=mycursor.fetchone()
    print("------------------------------------------------------------------------------------------")
    print("Q.",c,": ",ques[1],"\nA.",ques[2],"\t\tB.",ques[3],"\nC.",ques[4],"\t\tD.",ques[5])
    print("------------------------------------------------------------------------------------------")
    c+=1
    ans=None
    while ans==None:
        choice=input("Answer (A,B,C,D) :")
        if choice=='A' or choice=='a':
            ans=ques[2]
        elif choice=='B' or choice=='b':
            ans=ques[3]
        elif choice=='C' or choice=='c':
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            ans=ques[4]
        elif choice=='D' or choice=='d':
            ans=ques[5]
        else:
            print("Kindly select A,B,C,D as option only")
    if ans==ques[6]:
        print("Correct")
        score=score+1
    else:
        print("Incorrect.. Correct answer is :",ques[6])
print("Quiz has ended !! Your final score is :",score)
input("Press any key to continue")
Home()

Home()
```