

QUIZ MASTER



MADE BY: SAHIL JADHAV & CHINMAY SINGOLE

CERTIFICATE

CLASS: XII A

YEAR: 2019-2020

THIS IS TO CERTIFY THAT INVESTIGATORY PROJECT IS SUCCESSFULLY
COMPLETED BY _____ OF CLASS _____ AND ROLL
NO. _____ FOR THE ACADEMIC YEAR 2019-2020 IN THE SCHOOL
COMPUTER LAB

HEAD TEACHER
SIGNATURE

EXTERNAL EXAMINER

INTERNAL EXAMINER
(SUBJECT TEACHER)

DATE: / / 20

DEPARTMENT OF COMPUTER SCIENCE

ACKNOWLEDGEMENT

WE _____ OF CLASS _____ ROLLNO. _____ WOULD
LIKE TO EXPRESS MY SINCERE GRATITUDE TO MY COMPUTER SCIENCE
TEACHER MS. APARNA DHIRDE, PGT COMPUTER SCIENCE, FOR HER
VITAL SUPPORT, GUIDANCE AND ENCOURAGEMENT—WITHOUT
WHICH THIS PROJECT WOULD NOT HAVE COME FORTH.

I WOULD ALSO LIKE TO EXPRESS MY GRATITUDE TO MY SCHOOL
KENDRIYA VIDYALAYA AMBARNATH FOR LETTING ME USE THE SCHOOL
LABORATORY

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Brief Overview OF Project

Quiz master is based on popular reality quiz shows where a player has to answer some questions based on various themes. The player gets to choose the correct answer from four different sets of options. If the player chooses the right option he gets one point and proceeds. If the option was wrong no points will be allotted.

Quiz Competitions are other events where similar mechanism is used. Programming language used for this projects are python and MySQL. Whole program is on python whereas database is stored on MySQL server database. Upon running the program, Player has to enter his/her name followed by starting the quiz. At the end total points scored by the player are shown. Similar mechanism can be seen in Quiz competitions too. Whether it be of school level or regional level.

Need Of Computerization

The use of computerized quizzes is highly recommended for any instructor teaching a course that is either large in size (with a typical lecture format) or that requires that students to engage in a significant amount of assigned readings. Students appear to benefit from the use of such computerized quizzes as they become actively engaged in the course material and study with greater frequency throughout the semester

Computerized settings can be designed to provide students with immediate feedback regarding their quiz grades, and allow them to take each quiz more than once to provide greater mastery of the material. It may be helpful to limit the number of quiz attempts to three.

Automatic, computerized grading and entry of each student's highest quiz grades into the course gradebook will generate significant time savings for the instructor, and provide students with immediate feedback on their quiz performance.

Software AND Hardware Requirements

#SOFTWARE SPECIFICATION

Operating System: Windows 10/8/7

Platform : Python IDLE 3.7/3.8

Database : MySQL

Languages : Python

#HARDWARE SPECIFICATION

Processor : Dual core or above

Hard Disk : 40 GB

RAM : 1024 MB

Advantages OF Project

Present day everything is virtually presented.

Quiz master is very simple yet has attractive interface which makes quiz completions easier and more enjoyable.

Specific recommendations for the use of Quiz Master can be made including:

- *To encourage students to engage in long-term learning, include some of the individual online quiz questions on midterm and final exams*
- *To deter student cheating, the order of quiz questions as well as their multiple choice answers is randomized.*
- *User friendly*
- *Responsive design*
- *Automatically checks answers*
- *It saves paper*
- *Publishes score instantaneously after quiz ends*

#SOURCE CODE IN PYTHON

```
import sys

import mysql.connector

import random

mydb=mysql.connector.connect(host= "localhost" ,user= "root",\

                             passwd="root",database= "quiz")

mycursor=mydb.cursor()

def Home():

    f=1

    while f!=3:

        print("Welcome to Quiz")

        print("*****")

        print("1. Enter Questions")

        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:
```

```
        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()

def Quiz():

    print("Welcome to Quiz portal")

    print("*****")

    mycursor.execute("Select * from question")

    data=mycursor.fetchall()

    name=input("Enter your name :")

    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':

        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()

#OUTPUT SCREEN

```
Welcome to Quiz
*****
1. Enter Questions
2. Take Quiz
3. Exit
Enter your choice: 2
Welcome to Quiz portal
*****
Enter your name :SAHIL
Enter the number of questions to attempt (max 5):4
Quiz has started

-----
Q. 1 : Which country's football team has lifted the 2018 Intercontinental Cup football title?
A. India          B. Sri Lanka
C. Kenya        D. Argentina
-----
Answer (A,B,C,D) :A
Correct

-----
Q. 2 : Who is the current Chief Justice of India?
A. Ranjan Gogoi   B. Sharad Arvind Bobde
C. Rajendra Mal Lodha D. M. Patanjali Sastri
-----
Answer (A,B,C,D) :B
Correct

-----
Q. 3 : The longest mountain range in the world is
A. The Alps       B. The Himalayas
C. The Andes      D. The Rockies
-----
Answer (A,B,C,D) :C
Correct

-----
Q. 4 : The Maratha and The Kesri were the two main newspapers started by...
A. Lala Lajpat Rai B. Gopal Krishna Gokhale
C. Bal Gangadhar Tilak D. Madan Mohan Malviya
-----
Answer (A,B,C,D) :C
Correct
Quiz has ended !! Your final score is : 4
Press any key to continue
```

#MYSQL TABLE

```
C:\Program Files\MySQL\MySQL Server 5.1\bin\mysql.exe
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 5.1.33-community MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> use quiz
Database changed
mysql> desc question;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| qid   | int(4)        | NO   | PRI | NULL    |       |
| question | varchar(500)  | NO   |     | NULL    |       |
| op1   | varchar(100)  | NO   |     | NULL    |       |
| op2   | varchar(100)  | NO   |     | NULL    |       |
| op3   | varchar(100)  | YES  |     | NULL    |       |
| op4   | varchar(100)  | YES  |     | NULL    |       |
| ans   | varchar(100)  | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> select * from question;
+-----+-----+-----+-----+-----+-----+
| qid | question | op1 | ans | op2 | op3 |
+-----+-----+-----+-----+-----+-----+
| 1 | Which country's football team has lifted the 2018 Intercontinental Cup f | | |
| ootball title? | India | Sri Lanka | Kenya |
| Argentina | India |
| 2 | The Maratha and The Kesri were the two main newspapers started byà. |
| | Lala Lajpat Rai | Gopal Krishna Gokhale | Bal Gangadhar Tilak |
| Madan Mohan Malviya | Bal Gangadhar Tilak |
| 3 | Who is the current Chief Justice of India? |
| | Ranjan Gogoi | Sharad Arvind Bobde | Rajendra Mal Lodha |
| M. Patanjali Sastri | Sharad Arvind Bobde |
| 4 | The longest mountain range in the world is |
| | The Alps | The Himalayas | The Andes |
| The Rockies | The Andes |
| 5 | Which of the following cash crops is not grown in Kerala? |
| | Spices | Tobacco | Rubber |
| Coffee | Tobacco |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

#LIMITATIONS

- Need to add questions first before playing quiz
- No permanent score board

