

Quiz model with improvement suggestions

ARTIFICIAL INTELLIGENCE PROJECT

by

Tanmay Tripathi,Uday Kiran

Section: K18NS

Roll Number(s): 53,59



**Department of Intelligent Systems
School of Computer Science Engineering
Lovely Professional University, Jalandhar
April-2020**

Student Declaration

This report is written by me(Tanmay Tripathi).We haven't copied this report from anyone.Uday kiran and me have done the project together.We haven't copied any part of code from anywhere.If you found any part of code or report copied then I'll take the responsibility of that.

Tanmay Tripathi
Roll_NO:53

Uday Kiran
Roll_NO:59

Place:
Punjab
Date:
10-4-2020

TABLE OF CONTENTS

TITLE	PAGE NO.
1. Background and objectives of project assigned	5
2. Description of Project	5
3. Description of Work Division in terms of Roles among Students...	6
4. Implementation of scheduled work of Project.....	7-9
5. Technologies and Framework to be used.....	10
6. SWOT Analysis achieved in project.....	10

BONAFIDE CERTIFICATE

Certified that this project report “.....Quiz Model based on improvement suggestions.....” is the bonafide work of “.....Uday Kiran,Tanmay tripathi.....” who carried out the project work under my supervision.

Signature of the Supervisor

Name of Supervisor

Upinder Kaur

UMS ID 24913

Division of Admissions

Background and objectives of project assigned:

Quiz model project is an artificial intelligence based project which takes a quiz from user and Gives some improvement suggestion and feedback based on that.

Description of Project:

There are many sites now a days which takes quiz and after completion gives some improvement Suggestions and feedback and tell weak and strong points of users. This project is also based On that. Quiz model takes the score and types of questions solved and based on that it give suggestions for improvement to score good in future .

Idea behind this project is to make user feel like a mentor after every quiz. This model does not tell about how to overcome your weak areas. It just gives some feedback after analyzing score and types of Questions solved.

Description of Work Division in terms of Roles among Students:

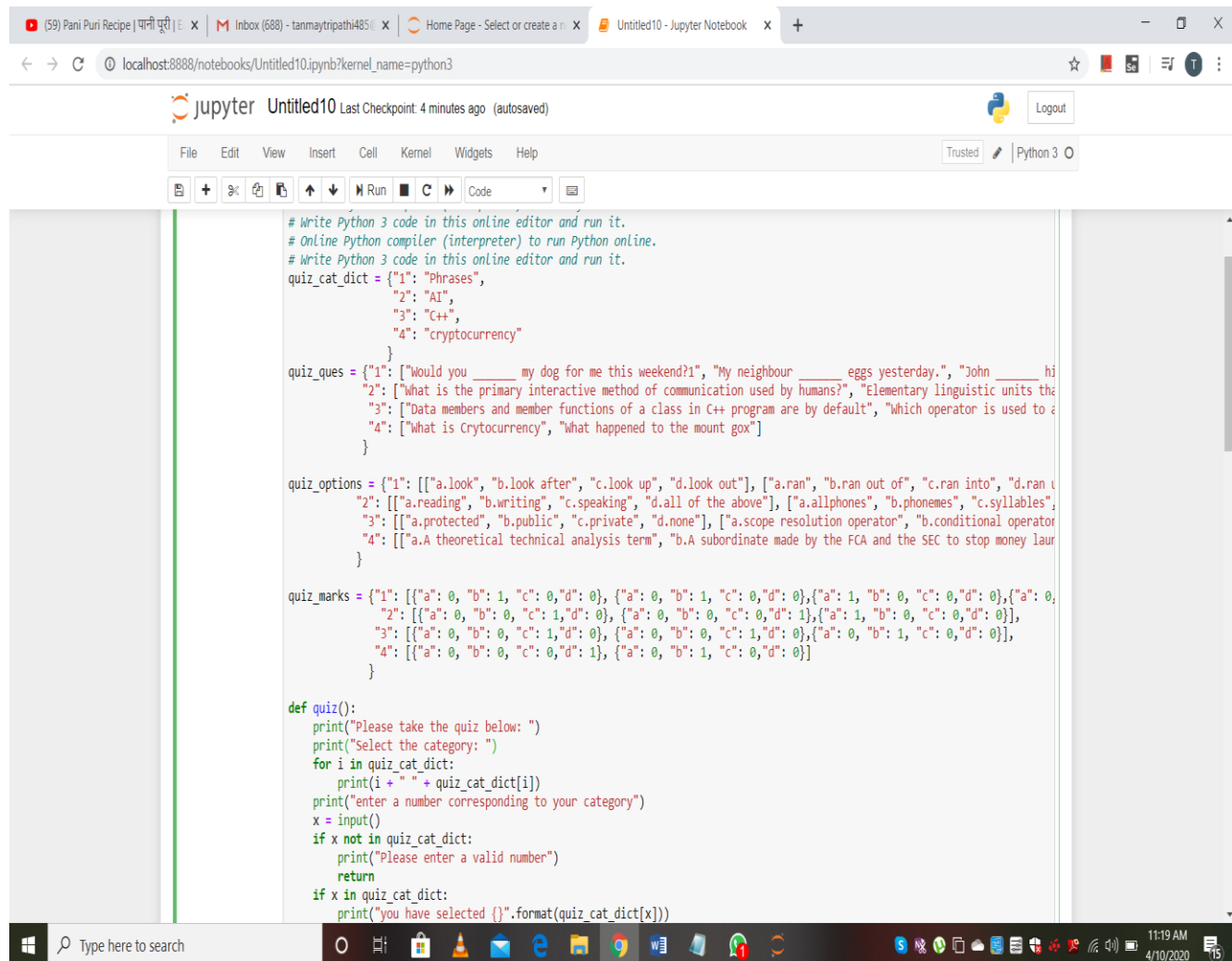
Roll no.59:

I have done the coding of the project .I used python for coding.I have included the quizzes and feedback suggestion in my code.I have used dictionaries and enumeration and all of its function in python .

Roll no.53:

I have made this report and done the testing of the code by checking on various inputs and given some improvement suggestion to Uday.

Implementation of scheduled work of Project:



The screenshot displays a Jupyter Notebook titled 'Untitled10' running on a local host. The notebook contains a Python script for a quiz. The script defines a dictionary of quiz categories, a list of quiz questions, a list of quiz options, and a dictionary of quiz marks. It also includes a function to run the quiz.

```
# Write Python 3 code in this online editor and run it.
# Online Python compiler (interpreter) to run Python online.
# Write Python 3 code in this online editor and run it.
quiz_cat_dict = {"1": "Phrases",
                 "2": "AI",
                 "3": "C++",
                 "4": "cryptocurrency"}

quiz ques = {"1": ["Would you _____ my dog for me this weekend?", "My neighbour _____ eggs yesterday.", "John _____ hi",
                  "2": ["What is the primary interactive method of communication used by humans?", "Elementary linguistic units tha",
                  "3": ["Data members and member functions of a class in C++ program are by default", "Which operator is used to a",
                  "4": ["What is Cryptocurrency", "What happened to the mount gox"]
               }

quiz_options = {"1": [{"a.look", "b.look after", "c.look up", "d.look out"}, {"a.ran", "b.ran out of", "c.ran into", "d.ran u",
                    "2": [{"a.reading", "b.writing", "c.speaking", "d.all of the above"}, {"a.allphones", "b.phonemes", "c.syllables",
                    "3": [{"a.protected", "b.public", "c.private", "d.none"}, {"a.scope resolution operator", "b.conditional operator",
                    "4": [{"a.A theoretical technical analysis term", "b.A subordinate made by the FCA and the SEC to stop money laun"}
               }

quiz_marks = {"1": [{"a": 0, "b": 1, "c": 0, "d": 0}, {"a": 0, "b": 1, "c": 0, "d": 0}, {"a": 1, "b": 0, "c": 0, "d": 0}, {"a": 0,
                    "2": [{"a": 0, "b": 0, "c": 1, "d": 0}, {"a": 0, "b": 0, "c": 0, "d": 1}, {"a": 1, "b": 0, "c": 0, "d": 0},
                    "3": [{"a": 0, "b": 0, "c": 1, "d": 0}, {"a": 0, "b": 0, "c": 1, "d": 0}, {"a": 0, "b": 1, "c": 0, "d": 0},
                    "4": [{"a": 0, "b": 0, "c": 0, "d": 1}, {"a": 0, "b": 1, "c": 0, "d": 0}]
               }

def quiz():
    print("Please take the quiz below: ")
    print("Select the category: ")
    for i in quiz_cat_dict:
        print(i + " " + quiz_cat_dict[i])
    print("Enter a number corresponding to your category")
    x = input()
    if x not in quiz_cat_dict:
        print("Please enter a valid number")
        return
    if x in quiz_cat_dict:
        print("you have selected {}".format(quiz_cat_dict[x]))
```

Browser tabs: (59) Pani Puri Recipe | पनी पूरी | E, Inbox (688) - tanmaytripathi485, Home Page - Select or create a n, Untitled10 - Jupyter Notebook

Address bar: localhost:8888/notebooks/Untitled10.ipynb?kernel_name=python3

Jupyter Untitled10 Last Checkpoint: 4 minutes ago (autosaved)

Python 3 O

```
return
if x in quiz_cat_dict:
    print("you have selected {}".format(quiz_cat_dict[x]))
else:
    print("entered wrong input")
qs = quiz ques[x]
qo = quiz_options[x]
qm = quiz_marks[x]
ans_list = []
marks_list = []
for ind, q in enumerate(qs):
    print(q)
    for j in qo[ind]:
        print(j)
        print("enter your choice..")
        ans = input()
        if ans not in ["a", "b", "c", "d"]:
            print("choice should be in a, b, c, d")
            return
        cur_q_marks = qm[ind][ans]
        marks_list.append(cur_q_marks)
        ans_list.append(ans)
print("total marks secured: {}".format(sum(marks_list)))

if __name__ == "__main__":
    quiz()
```

Please take the quiz below:
Select the category:
1 Phrases
2 AI
3 C++
4 cryptocurrency
enter a number corresponding to your category
1
you have selected Phrases

Windows taskbar: Type here to search, 11:19 AM, 4/10/2020

Browser tabs: (6) WhatsApp, Python Online Compiler (Interp...), New Tab, Home, Untitled18

Address bar: localhost:8889/notebooks/Untitled18.ipynb?kernel_name=python3

Jupyter Untitled18 Last Checkpoint: 26 minutes ago (autosaved) Logout

File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

Run Code

```
quiz()
```

Please take the quiz below:
Select the category:
1 Phrases
2 AI
3 C++
4 cryptocurrency
enter a number corresponding to your category
2
you have selected AI
What is the primary interactive method of communication used by humans?
a.reading
b.writing
c.speaking
d.all of the above
enter your choice..
c
Elementary linguistic units that are smaller than words are?
a.allphones
b.phonemes
c.syllables
d.all of the above
enter your choice..
d
In LISP, the atom that stands for "true" is ____
a.t
b.ml
c.time
d.time
enter your choice..
a
total marks secured: 3
Feedback:worst,KEEP Practising and do hardwork for better results

Windows taskbar: Type here to search, 23:27, 10-04-2020

Technologies and Framework to be used:

1. Python:

Dictionaries:For storing questions and right answers values.

Switch-statement:For giving feedback to user.

Numpy:To store array of question in the quiz.

Enumerate:To make counters of questions as iterator.

2. GITHUB: For uploading our project on public platform and show.

SWOT Analysis achieved in project:

This project is the part of our course “Introduction to artificial intelligence” .

It is not an advanced artificial intelligence .This project takes some input from user and gives output according to that input.It is somehow based on machine learning.

This project is very useful for modern day technology when there will be need of automatic quizzes. There is need of online mentors today so this project can made to advance skill to do that work.

THANK YOU