ondriva Vidya

केन्द्रीय विद्यालय संगठन

CHITTARAJAN

COMPUTER SCIENCE

TOPICE: - MIND CRUSHER

AISSCE - 2021

NAME: -AMBER KUMAR SINGH

CLASS: -XII SEC: -A

ROLL NO.: 12626384

SUBMITTED TO: - Mr. ANSHUMAN SIR

CERTIFICATE

This is certify that

AMBER KUMAR SINGH

Of Class XII 'A', Roll No. -_____ Session – 2020-21, has worked on the Project "MIND CRUSHER" under the guidance of Mr. Anshuman sir and successfully completed it.

DATE:-____

Internal examiner

Examiner"s Sign

Sign Of Principal (KENDRIYA VIDYALAYA CHITTARAJAN)

ACKNOWLEDGEMENT

I would like to express a deep sense of thanks & gratitude to may project guide Mr.Anshuman
Sir for guiding me immensely through the course of the project. He always evinced keep intresent in my work. His constructive advice & constant motivation have been responsible for the successful completion of this project.

My sincere thanks go to **Sh.P.K.Tailor**, Our Principal Sir, for his co-ordination in extending every possible support for the completion of this project.

I also thanks to my parents for this motivation & support.

LAST BUT NOT LEAST; I would like to thank all those who had helped directly OR indirectly towards the completion of this project.

AMBER KUMAR SINGH.....
Class: XII 'A'

DECLARATION

I hear by declare that the project work entitled "MIND CRUSHER", submitted to Department Of Computer Science in "Kendriya Vidyalaya Chittaraja" is prepared by me. All the coding is result of my personal efforts. I am also uploaded the code to Github for a soft copy refrence. The link is given below?

https://github.com/Amberskumarsingh/Computer-Science-Investigatory-Project-12-MIND-CRUSHER-PYTHON-EITH-JSON-WORK.git

OR



AMBER KUMAR SINGH CLASS XII "A"

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- **❖** FILE STRUCTURE
- ***** FUNCTION USED
- **A** DATA STRUCTURE
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ABOUT THE PROJECT

This project is a quiz game, which asks ten MCQ based question to the user, and then calculates and displays the score at the end. The questions, along with its respective options, are saved in a JSON file.

SYSTEM REQUIREMENTS

- 1. Operating System:
 - Any version of Windows, between Windows 7 to Windows 10
 - Mac OS X 10.11 or higher, 64 bit
 - Linux: RHEL 6/7, 64-bit (almost all libraries also work in Ubuntu)
- 2. x86 64-bit Or 32-bit CPU (Intel / AMD architecture)
- 3. 4 GB RAM
- 4. 5 GB free disk space

HARDWARE AND SOFTWARE USED

- 1. Operating System: Windows 10 Pro (Version 20H2)
- 2. RAM: 4 GB DDR3 (3.89 GB usable)
- 3. Processor: Intel(R) Pentium(R) CPU G630 @ 2.70GHz 2.70 GHz (x64-based processor)
- 4. Storage: 465.5 GB

PACKAGES AND MODULES USED

- 1.json
- 2.random
- 3.time
- 4.os

WORKING DESCRIPTION

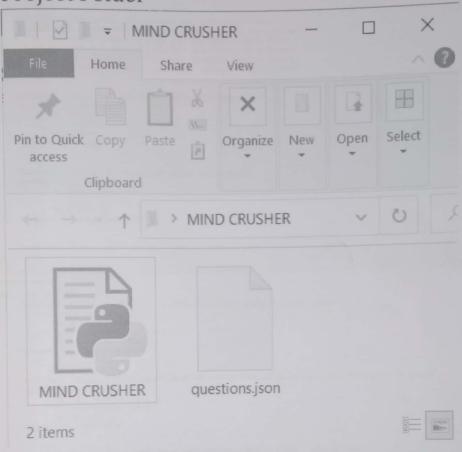
When the program is run, it displays the main menu of the game, in the Shell window. The main menu has four options, Play Quiz, Instructions, Exit and About Us. When the first option is chosen, the game begins and various questions (stored in the JSON file), are displayed on the screen, along with their four respective options. On choosing the second option in the main menu, the instructions are displayed and the user is returned to the main menu. When the third option is chosen, the program is terminated, and a message is displayed. On choosing the About Us option, the About Us message is displayed.

CODING

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SCREENS

1. Project Folder



2. json file

```
questions - Notepad
File Edit Format View Help
                "question": "When does India celebrate Independence Day?",
"options": ["A. 15th August",
"B. 2nd October",
                "C. 26th January",
"D. 4th July"],
"answer": "A. 15th August"
               "question": "Nobel prize is awarded for which of the following disciplines?",
"options": ["A. Literature, peace and economics",
"B. Medicine or Physiology",
"C. Chemistry and Physics",
"D. All the above"],
"answer": "D. All the above"
                "question": "What is the theme of Asia health conference 2019?",
"options": ["A. Competitiveness of India Inc- India@60: Forging Ahead",
"B. Competitiveness of India Inc- India@60: Forging Ahead",
"C. Competitiveness of India Inc- India@60: Forging Ahead",
"D. Competitiveness of India Inc- India@75: Forging Ahead"],
"answer": "B. Competitiveness of India Inc- India@75: Forging Ahead"
                "D. Punjab"],
"answer": "D. Punjab"
                 "question": "Who has won pro Kabadi League this season?",
"options": ["A. Dabang Delhi",
"B. Bengal Warriors",
"B. Bengal Warriors",
                 "C. Puneri paltan",
"D. U Mumba"],
"answer": "B. Bengal Warriors"
                 "Muscion". "First private train in India run between which of the two rities?"
                                                                                                                                                                                                                                   100% Unix (LF)
Gile Edit Format Yiew Help

"question": "First private train in India run between which of the two cities?",

"options": ["A. Delhi-Lucknow",

"B. Delhi-Ahmedabad",

"C. Both of the above route",

"D. None of the above"],

"answer": "A. Delhi-Lucknow"
               "question": "As per a latest report by Brand Finance 2019, which is the India's most valuable brand?",

"options": ["A. Reliance",

"B. Tata Group",

"C. State Bank of India",

"D. Flipkart"],

"answer": "B. Tata Group"
                "question": "At the end of March 2019, what was the amount of India's external debt?",

"options": ["A. US $ 540 billion",

"B. US $ 543 billion",

"C. US $ 547 billion",

"D. US $ 541 billion"],

"answer": "B. US $ 543 billion"
                 "question": "'LIBRA' an alternative of existing cryptocurrency like bitcoin is being developed by?",
"options": ["A. Facebook",
"B. Google",
"C. Microsoft",
"D. None of the above"].
                 "D. None of the above"],
"answer": "A. Facebook"
                "question": "In which year was Sports Authority of India established?",
"options": ["A. 1952",
"B. 1967",
"C. 1993",
"D. 1982"],
"answer": "D. 1982"
                  "question": "Headquater of International Olympic Committee is situated at?",
"ontions": ["A Athens"]
                                                                                                                                                                                                    In 1, Col 1 100% Unix (LF)
```

```
guestions - Notepad
File Edit Fgrmat View Help
"options": ["A. Athens",
"B. Lausanne",
"C. Dubai",
"D. None of the above"],
"answer": "B. Lausanne"
                  "question": "'The Coalition Years' is the autobiography of?",
"options": ["A. L.K Advani",
"B. Pranab Mukherjee",
                                  "C. Atal Behari Vajpayee",
"D. Sonia Gandhi"],
                   "answer": "B. Pranab Mukherjee"
                 "question": "Which Indian revolutionary leader is known as 'Bagha Jatin'?",
"options": ["A. Jatindranath Mukherjee",
"B. Jatindranath Bannerjee",
                  "C. Jatindrahath Das",
"D. Jatindrahath bose"],
"answer": "A. Jatindrahath Mukherjee"
                 "question": "Garampani Sanctuary is locate in which of the following places?",
"options": ["A. Junagarh, Gujarat",
"B. Kohima, Nagaland",
"C. Diphu, Assam",
"D. Gangtok, Sikkim"],
"answer": "C. Diphu, Assam"
                  "question": "Entomology studies what?",
"options": ["A. Behavior of human beings",
    "B. Insects",
    "C. The origin and history of technical and scientific terms",
    "D. The formation of rocks"],
"answer": "B. Insects"
                  "question": "Galileo was an astronomer who",
"options": ["A. Developed the telescope",
"R Discovered four satellites of Juniter"
                                                                                                                                                                                                                                                    100% Unix (UF)
  questions - Notepad
File Edit Format View Help
                  "B. Discovered four satellites of Jupiter",

"C. discovered that the movement of pendulum produces a regular time measurement",

"D. All the above"],

"answer": "B. Discovered four satellites of Jupiter"
                  "question": "Who is the father of geometry?",
"options": ["A. Aristotle",
"B. Euclid",
"C. Pythagoras",
"D. Kepler"],
"answer": "B. Euclid"
                  "question": "Indian player Jude Felix is popular for which sports?",
"options": ["A. Volleyball",
"B. Football",
"C. Hockey",
"D. Tennis"],
"answer": "C. Hockey"
                  "question": "Who is the current chief of the world bank group?",
"options": ["A. Donald Tusk",
"B. David Malpass",
"C. Christine Lagarde",
"D. Jim Yong Kim"],
"answer": "B. David Malpass"
                  "question": "The Government of which state has instituted the 'Tansen Samman'?",
                   "question": "The Government of
"options": ["A. West Bengal",
"B. Madhya Pradesh",
"C. Bihar",
"D. Gujrat"],
"answer": "B. Madhya Pradesh"
                  "question": "Who was associated with the creation of pentium chip?",
"options": ["A. Arun Netravalli",
"B. Sabeer Bhatia",
"C. Vinod Ohaw"
                                                                                                                                                                                                              En 1, Col 1 100% Unix (LF)
```

```
| General Normal | See | Beneral | See | S
```

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Cle Edit Format Yewr jejo

"answer": "A. Lord Alfred Tennyson"

"question": "Muho founded Indian National Army(INA)?",
    "options": ["A. Retaji subhas chandra Bose",
    "G. Mohan Singh",
    "C. Rash Behari Bose",
    "D. Jartiforanth Hukherjee"],
    "answer": "B. Mohan Singh"

"question": "The control of which state was handed over to british after marriage of King Charles 2 with portuguese princess in 1661?",
    "options": ["A. Cochin",
    "B. Boobay",
    "C. Surat",
    "D. Nadras"],
    "answer": "B. Boobay"

}

{
    "question": "Which is the clest football competition in India?",
    "options": ["A. Aryan Cup",
    "D. Federation Cup"],
    "answer": "C. Durand Cup"

    "D. Federation Cup"],
    "answer": "C. Durand Cup"

    "question": "The Indian, who holds the pride of beating the computers in mathematical wizard is?",
    "B. Raja Ramana",
    """,
    "B. Raja Ramana",
    "",
    "B. Raja Ramana",
    """,
    "B. Raja Ramana",
    "",
    "B
```

3. Input Screen

4. Output Screen

e *IDLE Shell 3,9.1* File Edit Shell Debug Options Window Help
Python 3.9.1 (tags/v3.9.1:1e5d33e, Dec 7 2020, 17:08:21) [Msc v.1927 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information. RESTART: C:\Users\Rahul Sen\Desktop\MIND CRUSHER\MIND CRUSHER.py ======= WELCOME TO MIND CRUSHER 1. PLAY QUIZ
2. SEE INSTRUCTIONS ON HOW TO PLAY THE GAME
3. EXIT
4. ABOUT US ENTER YOUR CHOICE: 1 ======QUIZ START====== Q1 Indian player Jude Felix is popular for which sports? A. Volleyball B. Football C. Hockey D. Tennis Enter your answer: a You are incorrect Q2 The Government of which state has instituted the 'Tansen Samman'? A. West Bengal B. Madhya Pradesh C. Bihar D. Gujrat Enter your answer: b You are correct Q3 Guru Gopi Krishna is popular for which form of Indian dance? A. Bharatanatyam B. Kuchipudi C. Kathak D. Manipuri Enter your answer: c You are incorrect Ln: 117 Col: 0



BIBLIOGRAPHY

- https://www.google.com
- https://stackoverflow.com
- https://docs.python.org/3/
- http://python.mykvs.in/uploads/showpa
 pers/testproject.php/6/
- http://www.tutorialspoint.com/pythom
- Computer Science with python by Sumita Arora (2020 EDITION)

Google







