CERTIFICATE

This is to certify that **SAYAM**, a student of Class **XII** (Science) has successfully completed the project on the below mentioned topic under the Guidance of **MRS. JHILI SAHOO, PGT** (Subject Teacher) during the year 2022-23 in partial fulfillment of computer science practical examination conducted by Central Board of Secondary Education (CBSE), New Delhi.

External Examiner's Signature **Subject Teacher's Signature**

ACKNOWLEGMENT

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SAYAM
XII (SCIENCE)

PREFACE

The main objective of any computer science student is to get as much of the practical knowledge as possible. Being an able to have a practical knowledge by developing is as important as theoretical knowledge I am thankful of having this project.

Through the development of the project, I had a great experience of various strategies that can be applied in development of project. This project is the stepping stone of my career.

I am pleased to present this project. Proper care has been taken while organizing the project so that it is comprehended. Also, various computer programming concepts have been implemented.

SAYAM
XII (SCIENCE)

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1. INTRODUCTION

Today, we're living in the *Age of Automation*. Almost everything is getting operated by either robots or computers programmed to automate tasks.

Imagine if you had a robot with an artificial intelligence that can do your work for you in more efficient and productive way. Wouldn’t it be great to have one with you? An AI of this character would be extremely useful for many tasks, especially for ones that require too much time when trying to solve them manually or even if the task is too difficult to solve in the first place.

Making a decision is not easy for many of us. There are so many different things you can do. And the more choices you make in a day, the harder it gets to choose which is best. That's where automated decision maker comes in. The program can suggest a choice from multiple predefined sets of data. The user can even let their computer choose a single choice from multiple choices given by them.

1.1. Objectives of the Project

The objectives of the project are:

- Increase the redundancy of decision making.
- To give the computer power to make decisions for the user.
- To implement the use of programming into the real-world projects.

1.2. Purpose of the Project

The purpose of the project is to Build an application program to reduce the mental work of choosing from a list of choices.

It has prebuilt datasets of thousands of records for each function, which it uses to choose one of those records and display it on the screen.

2. WORKING DESCRIPTION

The program is designed to make decisions based on the pre-defined datasets.

The program consists of mainly TWENTY options:

i. Choose an anime series
ii. Choose a book
iii. Choose a cryptocurrency
iv. Choose a dog
v. Choose an electric vehicle
vi. Choose a food recipe
vii. Choose a game
viii. Choose a skill/habit
ix. Choose an Instagram profile
x. Choose a joke
xi. Choose a K-Pop IDOL
xii. Choose a movie
xiii. Choose a programming language
xiv. Choose a quote
xv. Choose a song
xvi. Choose a TED Talk
xvii. Choose a web article
xviii. Choose a YouTube channel
xix. Choose one of the user's custom choices
xx. Exit

3. CASE STUDY

The case study given below represents the practical implementation of the automated decision maker.

3.1. Case Study - I

Rahul Mehera, a 23-year-old man, works at a company. He has returned from work exhausted and frustrated because of a long day of mental stress. He wants to watch a movie to relax his mind, but he is in no mood to make choices on his own.

In the given example, Rahul might use our automation application to reduce his effort of choosing and get a conclusion of his choice within seconds.

3.2. Case Study - II

Rohit, who is currently a student of class 12th, finds himself with little time.

He will study in a moment. He likes to listen to music while studying. He has very little time to choose a piece of music to listen to. If he starts exploring YouTube and manually searching for a music, he may waste a lot of time choosing a piece of music for him.

In the above case, he may use our program to choose a music for him to listen to while studying without having to waste time searching for it.

4. DATA COLLECTION

In light of the time constraints and a lack of resources, I chose to conduct secondary data collection.

4.1. Sources of Data Collection

I used online source for the collection of datasets used in the project. Different datasets are used in the project for different functions. All the datasets used are published on Kaggle (Kaggle.com) licensed either under public use.

5. FILES AND FUNCTIONS USED

In this section, we shall have a look at the list of files and functions used in the project.

5.1. Libraries/Modules Used

- CSV Module
- Random Module

5.2. Used Functions

- choice() – To choose a particular element from the list of records/elements.
- open() – To open the csv files.
- reader() – to read data from the csv files.
- append() – to append records to the list.
- lower() – to change the case into lower case.

5.3. Files Used

- anime.csv
- articles.csv
- books.csv
- cryptocurrency.csv
- data.csv
- dog.csv
- ev.csv
- food_recipes.csv
- games.csv
- imdb_top_1000.csv
- instagram_profiles.csv
- kpop_idols.csv
- programming languages.csv
- quotes.csv
- shortjokes.csv
- skills.csv
- ted.csv
- youtube.csv

6. SOURCE CODE

```
# importing necessary modules
from random import choice
import csv

# take input to append the list of choices
List_of_Choices = []


# Definition of Functions

# Function to open the datasets of the movies and
# append them to the list of choices
def movie():
    with open('imdb_top_1000.csv', 'r') as dataset:  # open the
dataset
        read_data = csv.reader(dataset)  # read data
        for row in read_data:
            List_of_Choices.append(row)  # append the choice to
the list
    choose_movie()  # Calling the function to choose one of the
choices


# Function to choose an anime series for the user
def anime():
    with open('anime.csv', 'r') as dataset:
        read_data = csv.reader(dataset)  # read data
        for row in read_data:
            List_of_Choices.append(row)  # append the choice to
the list
    choose_anime()  # Calling the function to choose one of the
choices


# Function to choose an anime series from the given choices
def choose_anime():
```

```
    final_choice = choice(List_of_Choices)
    # Storing item to respective variables
    name = final_choice[2]

    print("Let's watch", name)


# Function to read and append a cryptocurrency dataset to the list
of choices
def crypto():
    with open("cryptocurrency.csv", 'r') as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
            List_of_Choices.append(row)
        choose_crypto()

# Function t o choose a cryptocurrency from the given list of
choices


def choose_crypto():
    final_choice = choice(List_of_Choices)
    # Storing items to respective variables
    coin_name = final_choice[9]
    coin_shortname = final_choice[5]

    print("Let's invest on", coin_name, "(", coin_shortname, ")")


# Function to append dog breeds to the list of choices
def dog():
    with open("dog.csv", 'r') as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
            List_of_Choices.append(row)
        choose_dog()

# Function to choose a dog breed from the given dataset


def choose_dog():
```

```
    final_choice = choice(List_of_Choices)

    # Storing items to respective variables
    License_type = final_choice[0]
    Breed = final_choice[1]

    # Printing the choice made by the program
    print("You should go for a", Breed)


# Function to choose


# Function to open the datasets of the books and
# append them to the list of choices
def books():
    with open('books.csv', 'r') as dataset:
        read_data = csv.reader(dataset)  # read data from the file
        for row in read_data:
            # append the data to the list of choices
            List_of_Choices.append(row)
    choose_book()  # calling the choose function to


# Function for choosing a song
def songs():
    with open("data.csv", 'r') as dataset:
        read_data = csv.reader(dataset)  # read data from the
given dataset
        for row in read_data:
            List_of_Choices.append(row)

        choose_song()

# Function to add Electric Vehicles dataset to the list of choices


def ev():
    with open("ev.csv") as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
```

```
            List_of_Choices.append(row)

    choose_ev()

# Function to choose an electric vehicle from the given list of
choices


def choose_ev():
    final_choice = choice(List_of_Choices)

    # Assigning values to respective variables
    brand = final_choice[0]
    model = final_choice[1]
    pickup = final_choice[2]
    topspeed = final_choice[3]
    range = final_choice[4]
    efficiency = final_choice[5]
    fastcharging = final_choice[6]
    rapidcharging = final_choice[7]
    powertrain = final_choice[8]
    plugtype = final_choice[9]
    bodytype = final_choice[10]
    segment = final_choice[11]
    seats = final_choice[12]
    price = final_choice[13]

    # Print the final choice
    print("Let's go for", brand, "\'s", model)
    print()
    print()

    # Asking user if they want to know more
    user_in = input("Do you want to know more about this model?
(y/n) \n")
    print()
    print()

    if user_in == 'y':
        print("Brand: ", brand)
```

```
        print()
        print("Model: ", model)
        print()
        print("Pickup: ", pickup)
        print()
        print("Top Speed: ", topspeed)
        print()
        print("Range (in kilometers)", range)
        print()
        print("Efficiency: ", efficiency)
        print()
        print("Fast Charging: ", fastcharging)
        print()
        print("Rapid Charging: ", rapidcharging)
        print()
        print("Power Train: ", powertrain)
        print()
        print("Plug Type: ", plugtype)
        print()
        print("Body Type: ", bodytype)
        print()
        print("Segment", segment)
        print()
        print("Seats", seats)
        print()
        print("Price: ", price)
        print()

# Function to add food datasets to the list of choices


def food_recipes():
    with open("food_recipes.csv", 'r') as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
            List_of_Choices.append(row)

    choose_food()
```

```
# Function to choose food
def choose_food():
    final_choice = choice(List_of_Choices)
    # Assigning values to respective variables
    name = final_choice[1]
    translatedname = final_choice[2]
    ingredients = final_choice[3]
    translatedingredients = final_choice[4]
    prep_time = final_choice[5]
    cook_time = final_choice[6]
    servings = final_choice[7]
    cuisine = final_choice[8]
    course = final_choice[9]
    diet = final_choice[10]
    instructions = final_choice[11]
    trans_instruction = final_choice[12]
    url = final_choice[13]

    # Printing values
    print("Let's learn to cook the dish named \"", name, "\"")
    print()
    print()
    print()
    print("Translated Name: ", translatedname)
    print()
    print("Ingredients", ingredients)
    print()
    print("Translated Ingredients: ", translatedingredients)
    print()
    print("Preparation Time: ", prep_time)
    print()
    print("Cook Time: ", cook_time)
    print()
    print("Servings: ", servings)
    print()
    print("Cuisine: ", cuisine)
    print()
    print("Course", course)
    print()
    print("Diet: ", diet)
```

```
    print()
    print("Instruction: ", instructions)
    print()
    print("Translated Instructions: ", trans_instruction)
    print()
    print("URL: ", url)

# FUnction to append dataset of games to the list of choices


def game():
    with open("games.csv") as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
            List_of_Choices.append(row)
        choose_game()

# Function to choose a game from the list of choices


def choose_game():
    final_choice = choice(List_of_Choices)

    # Storing the items to the respective variables
    game_name = final_choice[0]

    # Print the choice made by the computer/program
    print("Let's play", game_name)


# Function to add the items in the dataset to the list of choices
def habit():
    with open("skills.csv", 'r') as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
            List_of_Choices.append(row)

    choose_habit()


# Function to choose a distinct habit from the dataset
```

```
def choose_habit():
    final_choice = choice(List_of_Choices)

    # Assigning values to the respective variables
    skills = final_choice[0]

    print("Lets work on building", "\"", skills, "\"")


# Function to add the dataset of various instagram profiles to the
list of choices
def instagram_profile():
    with open("instagram_profiles.csv", 'r') as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
            List_of_Choices.append(row)

        choose_profile()

# Function to choose a profile from the given dataset


def choose_profile():
    final_choice = choice(List_of_Choices)

    # Assigning values to their respective variables
    name = final_choice[0]
    ranking = final_choice[1]
    category = final_choice[2]
    followers = final_choice[3]
    audience = final_choice[4]
    authentic_engagement = final_choice[5]
    engagement = List_of_Choices[6]

    # Print the values
    print("Let's follow", name)
    print()
    print()
    print()
    print(name.upper())
```

```
    print()
    print("Ranking (worldwide): ", ranking)
    print()
    print("Category", category)
    print()
    print("Followers: ", followers)
    print()
    print("Audience: ", audience)
    print()
    print("Authentic Engagement: ", authentic_engagement)
    print()
    print("Engagement: ", engagement)
    print()


# Function to add datasets to the list of choices
def programming_language():
    with open("programming_languages.csv", 'r') as datasets:
        read_data = csv.reader(datasets)
        for row in read_data:
            List_of_Choices.append(row)

        choose_prog_lang()


def choose_prog_lang():
    final_choice = choice(List_of_Choices)
    # Assign items to the variables
    language_name = final_choice[1]
    _extension_ = final_choice[2]
    program_sample = final_choice[3]

    # Print the values
    print("Let's learn", language_name)
    print()
    print()
    print("Programming Language Name: ", language_name)
    print()
    print("Extension: ", _extension_)
    print()
```

```
    print("Hello world sample code: ", program_sample)
    print()
    print()


# Function to add the datasets to the list of choices
def kpop_idol():
    with open("kpop_idols.csv", 'r') as datasets:
        final_choice = choice(List_of_Choices)

        # Assigning elements to the respective variables
        stage_name = final_choice[0]
        full_name = final_choice[1]
        korean_name = final_choice[2]
        korean__stage_name = final_choice[3]
        dob = final_choice[4]
        group = final_choice[5]
        country = final_choice[6]
        birthplace = final_choice[7]
        other_group = final_choice[8]
        gender = final_choice[9]

        # Print the values
        print("Let's go for", stage_name, "(", group, ")")

        print("FULL DETAILS")
        print()
        print()
        print("Stage name: ", stage_name)
        print()
        print("Full name: ", full_name)
        print()
        print("Korean Stage Name: ", korean__stage_name)
        print()
        print("Korean full name: ", korean_name)
        print()
        print("Date of Birth: ", dob)
        print()
        print("Group: ", group)
        print()
```

```
        print("Country", country)
        print()
        print("Birthplace: ", birthplace)
        print()
        print("Other Group: ")
        print()
        print("Gender", gender)
        print()


# Function to add datasets to the list of choices
def quote():
    with open("quotes.csv", 'r') as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
            List_of_Choices.append(row)

        choose_quote()


# Function to choose quote from a given list of choices
def choose_quote():
    final_choice = choice(List_of_Choices)
    # Assigning the values to their respective variables
    quote = final_choice[1]
    author = final_choice[2]
    tags = final_choice[3]

# Choose any of the given choices


def my_choices():
    user_in = int(input("How many choices do you have? \n"))

    for i in range(user_in):
        choice = input("Enter the choice: ")
        List_of_Choices.append(choice)


def choose_movie():
```

```
    final_choice = choice(List_of_Choices)  # choice one element
from the list

    # Storing the items of the list to respective variables
    poster_link = final_choice[0]
    name = final_choice[1]
    release_year = final_choice[2]
    certificate = final_choice[3]
    runtime = final_choice[4]
    genre = final_choice[5]
    imdb_rating = final_choice[6]
    overview = final_choice[7]
    director = final_choice[8]
    star1 = final_choice[9]
    star2 = final_choice[10]
    star3 = final_choice[11]
    votes = final_choice[12]
    gross = final_choice[13]

    # Printing the final choice made by the program
    print("Let's go for", final_choice[1])
    print("")
    print("Name: ", name)
    print("Genre: ", release_year)
    print("Duration: ", runtime)
    print("Starring", star1, ",", star2, ",", star3)

    # User input to ask if they want more details
    user_in = input("Hmmmmm.... Want to know more? (y/n) \n")

    # To show more information about the choosen movie
    # If user opts "yes"
    if user_in.lower() == 'y':
        print("Poster link: ", poster_link)
        print()
        print("Certificate: ", certificate)
        print()
        print("Release Year: ", release_year)
        print()
        print("Duration: ", runtime)
```

```
        print()
        print("Genre: ", genre)
        print()
        print("IMDB Rating: ", imdb_rating)
        print()
        print("Overview: ", overview)
        print()
        print("Director: ", director)
        print()
        print("Starring", star1, ",", star2, ",", star3)
        print()
        print("Votes", votes)
        print()
        print("Gross: ", gross)
        print()
        print()

    # If user opts "no"
    elif user_in.lower() == 'n':
        print("Okay!!")

    # In case of wrong input
    else:
        print("Umm.. Invalid Input")


def choose_song():
    final_choice = choice(List_of_Choices)  # Choose only element
from the list

    # Storing the items of the list to respective variables
    index = final_choice[0]
    acousticness = final_choice[1]
    danceablity = final_choice[2]
    duration = final_choice[3]
    energy = final_choice[4]
    instrument = final_choice[5]
    key = final_choice[6]
    liveness = final_choice[7]
    loudness = final_choice[8]
```

```
    mode = final_choice[9]
    speechness = final_choice[10]
    tempo = final_choice[11]
    valence = final_choice[12]
    target = final_choice[13]
    name = final_choice[15]
    artist = final_choice[16]

    # Printing the element chosen by the program
    print("Let's listen to", "\"", name, "\"", 'by', artist)
    print()
    print()


# Function to choose a book
def choose_book():
    # List of the final choice
    final_choice = choice(List_of_Choices)

    # Assignment of the heading to the elements
    bookid, title, authors, average_rating, isbn, isbn_13,
language_code, pages, ratings, text_review, publication, publisher
= [
        final_choice[0], final_choice[1], final_choice[2],
final_choice[3], final_choice[4], final_choice[5],
final_choice[6], final_choice[7], final_choice[8],
final_choice[9], final_choice[10], final_choice[11]]

    # Print the choice
    print("I think, you should try", "\"", title, "\"" "by",
authors)
    print("Publisher: ", publisher)
    print()
    print()

    # Ask if they want to know more
    user_in = input("Do you want to know more? (y/n) \n")
    print()
    print()
```

```
    # If user opts for yes
    if user_in.lower() == 'y':
        print("OKAY... HERE ARE THE MORE INFORMATION ABOUT THIS
BOOK!!\n")
        print()
        print()
        print("Title:", title)
        print()
        print("Author(s):", authors)
        print()
        print("Average Rating: ", average_rating)
        print()
        print("ISBN: ", isbn)
        print()
        print("ISBN 13: ", isbn_13)
        print()
        print("Language Code: ", language_code)
        print()
        print("Ratings: ", ratings)
        print()
        print("Text Review: ", text_review)
        print()
        print("Publication: ", publication)
        print()
        print("Publisher:", publisher)
        print()

    elif user_in.lower() == 'n':
        print("Okay.. Have a Nice Day!!")

    else:
        print("Hmmm... Invalid Input")


# Function to the dataset of ted talks to the list of choices
def ted():
    with open('ted.csv', 'r') as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
            List_of_Choices.append(row)
```

```
        choose_ted()

# Function to choose one of the choices


def choose_ted():
    final_choice = choice(List_of_Choices)

    # ASsign values to the required variables
    title = final_choice[0]
    author = final_choice[1]
    date = final_choice[2]
    views = final_choice[3]
    likes = final_choice[4]
    link = final_choice[5]

    # Printing the values
    print("Let's watch", "\"", title, "\"", "by", author)
    print()
    print()
    print("Title: ", title)
    print()
    print("Author: ", author)
    print()
    print("Date: ", date)
    print()
    print("Views: ", views)
    print()
    print("Likes: ", likes)
    print()
    print("Link: ", link)
    print()


# Function to add the datasets to the list of choices
def youtube():
    with open("youtube.csv", 'r') as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
            List_of_Choices.append(row)
```

```
    choose_youtuber()

# Function to choose a youtuber from the list of choices


def youtuber():
    final_choice = choice(List_of_Choices)
    # Assign values to their respective variables
    ranking = final_choice[0]
    youtuber = final_choice[1]
    subs = final_choice[2]
    view = final_choice[3]
    videos = final_choice[4]
    category = final_choice[5]
    started = final_choice[6]

    #  Printing the values
    print("Let's subscribe", youtuber)
    print()
    print()
    print("World Ranking: ", ranking)
    print()
    print("Youtuber: ", youtuber)
    print()
    print("Video Views: ", view)
    print()
    print("Video Count: ", videos)
    print()
    print("Category: ", category)
    print()
    print("Started in: ", started)
    print()
    print()


# Function to add the dataset to the list of choices
def articles():
    with open("article.csv", 'r') as dataset:
        read_data = csv.reader(dataset)
```

```
        for row in read_data:
            List_of_Choices.append(row)

        choose_article()


# Function to choose an choice from the list of choices
def choose_article():
    final_choice = choice(List_of_Choices)
    # Assignment of values to respective variables
    title = final_choice[0]
    author = final_choice[1]
    last_updated = final_choice[2]
    link = final_choice[3]
    category = final_choice[4]

    # Printing the values
    print("Let's read", "\'", title, "\" by", author)
    print()
    print()
    print()
    print("Title:", title)
    print()
    print("Author", author)
    print()
    print("Last Update", last_updated)
    print()
    print("Link: ", link)
    print()
    print("Category: ", category)


# Function to add dataset of jokes to the list of choices
def joke():
    with open("shortjokes.csv", 'r') as dataset:
        read_data = csv.reader(dataset)
        for row in read_data:
            List_of_Choices.append(row)

    choose_joke()
```

```
def choose_joke():
    final_choice = choice(List_of_Choices)
    # Assign the values to the respective variables
    joke = final_choice[1]

    # print the choice
    print("The Joke is.....", joke)
    print()


# MAIN
# USER CHOICE
user_choice = input("""
What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...
\n""")
print()
```

```
print()

# Decision
while True:
    if user_choice.lower() == 'm':
        movie()
        break

    elif user_choice.lower() == 'b':
        books()
        break

    elif user_choice.lower() == 's':
        songs()
        break

    elif user_choice.lower() == 'my':
        my_choices()
        break

    elif user_choice.lower() == 'a':
        anime()
        break

    elif user_choice.lower() == 'c':
        crypto()
        break

    elif user_choice.lower() == 'd':
        dog()
        break

    elif user_choice.lower() == 'e':
        ev()
        break

    elif user_choice.lower() == 'f':
        food_recipes()
        break
```

```
    elif user_choice.lower() == 'g':
        game()
        break

    elif user_choice.lower() == 'h':
        habit()
        break

    elif user_choice.lower() == 'i':
        instagram_profile()
        break

    elif user_choice.lower() == 'j':
        joke()
        break

    elif user_choice.lower() == 'k':
        kpop_idol()
        break

    elif user_choice.lower() == 'p':
        programming_language()
        break

    elif user_choice.lower() == 'q':
        quote()
        break

    elif user_choice.lower() == 't':
        ted()
        break

    elif user_choice.lower() == 'y':
        youtube()
        break

    elif user_choice.lower() == 'w':
        articles()
        break
```

```
    elif user_choice.lower() == 'exit':
        break

    else:
        print("Ummm... Invalid Input")
        break

print()
print("Thanks for using our application!!")
```

7. OUTPUT

```
What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

a


Let's watch Tensei shitara Slime Datta Ken
```

```
What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
```

(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

b

I think, you should try " Speaks the Nightbird (Matthew Corbett #1) "by Robert R. McCammon
Publisher: River City Publishing

Do you want to know more? (y/n)
y

OKAY... HERE ARE THE MORE INFORMATION ABOUT THIS BOOK!!

Title: Speaks the Nightbird (Matthew Corbett #1)

Author(s): Robert R. McCammon

Average Rating: 4.13

ISBN: 1880216620

ISBN 13: 9781880216620

Language Code: en-US

Ratings: 145

Text Review: 31

Publication: 9/1/2002

Publisher: River City Publishing

Thanks for using our application!!
What do you want me to choose for you?

(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

c

Let's invest on BUSD (30815.36)

Thanks for using our application!!

What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

d

You should go for a ENG COONHOUND

Thanks for using our application!!
What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

e

Let's go for Byton 's M-Byte 95 kWh 4WD

Do you want to know more about this model? (y/n)
y

Brand: Byton

Model: M-Byte 95 kWh 4WD

Pickup: 5.5

Top Speed: 190

Range (in kilometers) 390

Efficiency: 244

Fast Charging: 460

Rapid Charging: Yes

Power Train: AWD

Plug Type: Type 2 CCS

Body Type: SUV

Segment E

Seats 5

Price: 64000

Thanks for using our application!!
What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

f

Let's learn to cook the dish named " Gulab Phirni Recipe "

Translated Name: Gulab Phirni Recipe

Ingredients 1/4 cup Rice,1 liter Milk - full fat,Few Saffron strands,1/4 cup Sugar -,2 tablespoons Dried rose petals,Mixed nuts - pistachio and almonds for garnishing

Translated Ingredients: 1/4 cup Rice,1 liter Milk - full fat,Few Saffron strands,1/4 cup Sugar -,2 tablespoons Dried rose petals,Mixed nuts - pistachio and almonds for garnishing

Preparation Time: 30

Cook Time: 35

Total Time: 65
Servings: 4

Cuisine: Indian

Course Dessert

Diet: Vegetarian

Instruction: To begin making the Gulab Phirni Recipe, soak the rice in water for half an hour.Drain water and pulse in a grinder till you get a grainy consistency. The grains should feel gritty between your fingers and should be slightly bigger than semolina.Bring the milk to a brisk boil in a large saucepan, add the rice and saffron while whisking continuously. Turn the heat to low and keep stirring to avoid lumps.Keep stirring the mixture every couple of minutes.After about 20 minutes the mixture will start to thicken. Simmer the phirni mixture for another 20 to 25 minutes till it thickens considerably and the rice is completely cooked. Stir Occasionally to avoid the Phirni from sticking to the bottom of the pan.Once done add the sugar and mix till it dissolves. Turn off the heat and allow the Phirni mixture cool. Once it's cooled completely, transfer to a mixer-grinder and pulse for exactly 5 seconds. This helps to give the phirni a creaminess and remove any lumps. You can also use a hand blender as well.Stir in the rose petals and transfer the Gulab Phirni into serving bowls. Garnish with chopped pistachios, almonds and rose petals. Cool the Gulab Phirni in the refrigerator for at least 3 hours or overnight and serve cold.Serve Gulab Phirni Recipe along with samosas and Mawa Gujiya With Badam and Pista Recipe to guests during festive occasions.

Translated Instructions: To begin making the Gulab Phirni Recipe, soak the rice in water for half an hour.Drain water and pulse in a grinder till you get a grainy consistency. The grains should feel gritty between your fingers and should be slightly bigger than semolina.Bring the milk to a brisk boil in a large saucepan, add the rice and saffron while whisking continuously. Turn the heat to low and keep stirring to avoid lumps.Keep stirring the mixture every couple of minutes.After about 20 minutes the mixture will start to thicken. Simmer the phirni mixture for another 20 to 25 minutes till it thickens considerably and the rice is completely cooked. Stir Occasionally to avoid the Phirni from sticking to the bottom of the pan.Once done add the sugar and mix till it dissolves. Turn off the heat and allow the Phirni mixture cool. Once it's cooled completely, transfer to a mixer-grinder and pulse for exactly 5 seconds. This helps to give the phirni a creaminess and remove any lumps. You can

also use a hand blender as well.Stir in the rose petals and transfer the Gulab Phirni into serving bowls. Garnish with chopped pistachios, almonds and rose petals. Cool the Gulab Phirni in the refrigerator for at least 3 hours or overnight and serve cold.Serve Gulab Phirni Recipe along with samosas and Mawa Gujiya With Badam and Pista Recipe to guests during festive occasions.

URL: https://www.archanaskitchen.com/gulab-phirni-recipe-rose-flavored-rice-pudding

Thanks for using our application!!
What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

g

Let's play Thunder Alley

Thanks for using our application!!
What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh

(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

h

Lets work on building " water rescue
 "

Thanks for using our application!!

What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

i

Let's follow coldplay

COLDPLAY

Ranking (worldwide): 916

Category Music

Followers: 16.6M

Audience: Brazil

Authentic Engagement: 98.2K

Engagement: ['kimkardashian', '6', 'FashionBeauty', '323.6M', 'United States', '1.7M', '2.5M']

Thanks for using our application!!

What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

j

The Joke is..... Sell a man a fish... Sell a man a fish, feed him for a day. Teach a man to fish, miss our on a wonderful business opportunity.

Thanks for using our application!!

What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

k

Let's go for Suwoong (Boys Republic)
FULL DETAILS

Stage name: Suwoong

Full name: Lee Suwoong

Korean Stage Name: 수웅

Korean full name: 이수웅

Date of Birth: 1995-01-20

Group: Boys Republic

Country South Korea

Birthplace:

Other Group:

Gender M

Thanks for using our application!!

What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

m

Let's go for Drive

Name: Drive
Genre: 2011
Duration: 100 min
Starring Nicolas Winding Refn , Ryan Gosling , Carey Mulligan
Hmmmmm.... Want to know more? (y/n)
y
Poster link: https://m.media-amazon.com/images/M/MV5BZjY5ZjQyMjMtMmEwOC00Nzc2LTllYTItMmU2MzJjNTg1NjY0XkEyXkFqcGdeQXVyNjQ1MTMzMDQ@._V1_UX67_CR0,0,67,98_AL_.jpg

Certificate: A

Release Year: 2011

Duration: 100 min

Genre: Crime, Drama

IMDB Rating: 7.8

Overview: A mysterious Hollywood stuntman and mechanic moonlights as a getaway driver and finds himself in trouble when he helps out his neighbor.

Director: 78

Starring Nicolas Winding Refn , Ryan Gosling , Carey Mulligan

Votes Bryan Cranston

Gross: Albert Brooks

Thanks for using our application!!

What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

p

Let's learn Kitten

Programming Language Name: Kitten

Extension: ktn

Hello world sample code: "Hello World" say

Thanks for using our application!!

What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch

(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

q

The Quote is " One good thing about music, when it hits you, you feel no pain. " by Bob Marley
Thanks for using our application!!
What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about

(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

s

Let's listen to " A Day In The Life - feat. RZA, The Mars Volta & AG + Good Hygiene feat. Tim Meadows Amended CD Version " by Handsome Boy Modeling School

Thanks for using our application!!

What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

t

Let's watch " Dance to change the world " by Mallika Sarabhai

Title: Dance to change the world

Author: Mallika Sarabhai

Date: November 2009

Views: 614000

Likes: 18000

Link: https://ted.com/talks/mallika_sarabhai_dance_to_change_the_world

Thanks for using our application!!
What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

w

Let's read ' Maximum number of 2×2 squares that can be fit inside a right isosceles triangle " by GeeksforGeeks

Title: Maximum number of 2×2 squares that can be fit inside a right isosceles triangle

Author GeeksforGeeks

Last Update 29 Nov, 2021

Link: https://www.geeksforgeeks.org/maximum-number-2x2-squares-can-fit-inside-right-isosceles-triangle/

Category: easy

Thanks for using our application!!
What do you want me to choose for you?
(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

y

Let's subscribe Goldmines Gaane Sune Ansune

World Ranking: 93

Youtuber: Goldmines Gaane Sune Ansune

Video Views: 14,212,434,275

Video Count: 3,171

Category: Music

Started in: 2015

Thanks for using our application!!
What do you want me to choose for you?

(a) an ANIME SERIES to watch
(b) a BOOK to read
(c) a CRYPTO CURRENCY to invest on
(d) a DOG for me
(e) an ELECTRIC VEHICLE to see
(f) a FOOD RECIPE to try
(g) a GAME to play
(h) a HABIT (Skill) to build
(i) an INSTAGRAM ACCOUNT to follow
(j) a JOKE to laugh
(k) a K-POP IDOL to know about
(m) a MOVIE to watch
(p) a PROGRAMMING LANGUAGE to learn
(q) a QUOTE for me
(s) a SONG to listen
(t) a TED TALK to watch
(w) a WEB ARTICLE to visit
(y) a YOUTUBE CHANNEL to watch

(MY) one of my custom choices

(exit) Nothing...

my

How many choices do you have?
6
Enter the choice: I go
Enter the choice: I will go
Enter the choice: I will not go
Enter the choice: I may go
Enter the choice: I may not go
Enter the choice: I will probably go

Let's choose I will go

Thanks for using our application!!

---

8. RESOURCES USED & REQUIREMENTS

The hardware and software resources used in the project are mentioned below.

8.1. Software Used

- Operating System: Windows 10 Pro
- Platform: Google Colab, Visual Studio Code
- Data file type: CSV (Comma-Separated Values)
- Languages: Python

8.2. Hardware Used

- Processor: Intel core i5
- Solid State Drive: 512 GB (gigabytes)
- RAM (Random Access Memory): 8 GB (gigabytes)

8.3. Software Requirements

- Operating System: Windows 10/8/7
- Platform: Python IDLE
- Data file type: CSV (Comma-Separated Values)
- Languages: Python

8.4. Hardware Requirements

- Processor: Dual core or above
- Hard Disk: 40 GB
- RAM: 1024 MB

9. BIBLIOGRAPHY

- ***Computer Science with Python*** *by Sumit Arora*
- ***Python Documentation*** *(https://docs.python.org/3/)*
- ***https://slideshare.in***

10. REFERENCES & LINKS

- ***Kaggle (https://kaggle.com) – used for downloading datasets***