# Problem statement:

In today's fast-paced world, individuals need to track and manage their expenses effectively. You are taked with building a personal Expense Tracker that allows to loy duily expenses, categorize them, and track spending against a set monthly budget. The tracker should also have the ability to save and load expenses from a file for future reference

Project document का ध्यावसे पहिने काय केने कुछ stell direction जन्म ही की उस निर्मास होगी।

## Steps to perform:

- 1) Cheate am interactive menu with the oftions for wer.
- 2) Running a May num bused on options
- 3) Cheate a Phogham Considering Euch oftion
  - Cheate a Python Program for all expenses
  - Create a python Program for view extenses
  - Charte a Python Program for set budget
  - Cheute a python Program ton track budget
  - Cheate a Python Phogram fix save all expenses to a CSV file
  - Checite a python Program for loughbeur expenses to a csv file
- 4) organize the Program systematically.

Oftion for wer.

Add -

Print ('\_\_\_Menu\_\_\_')

Phint (1. Add Expense)

Print ( 2. View Expenses')

Mint ('3. set Budget')

Print ( L. TRUCK Dulyet')

Print ('S. SUVE Explenses')

Print (6. Exit)

Choice = inPut('choose am oftion(1-6):')

# Tout Put

--- Menu - -

1. Add Expense

2. View Expenses

3. Set Bulget

4. Thack Dudyet

S. Sure Expenses

6. Exit

Choose am oftion (2-6):[

Step-2 Running a Protection This Program based on options

surious step of user on option som is and Program run

son endre, of this user 1. option som it in Add Expense

the program run son engla, enough Add Expense to function

function (411 than entital)

if Choice == 's': add -expense ()

elif Choice = = 7: view\_expenses()

elif (hoice == 3': Set\_bndget()

elif Choice == 'h': +8ach\_5724et()

elif Choice == '5': Sure\_expenses()

elif choice == '6': save\_enclemses()

Print ('Exiting the Program.'')

else:
Praint ("invaile option. In").

#### (Output)

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(5)

Step 3 (heate a Program Considering each oftion user in transition and the function can to the Program General Hard and the standing Program General

1) Add Com Expenses

def cidd-expense():

date = inPut('Enter date (777Y-MM-DD):')

Category = inPut('Enter category (e.g. Food, Thavel):')

Comount = float(inPut('Enter amount:')

Leschiption = inPut('Enter description:')

Print ('Expense added.In')

add - expense()'

#### ont Put

Enter date (7774-MM-DD): 2015-igg -2g Enter cuterony (Ry. 40=1, Thaver): traver Enter amount: 500 Enter description: Insurable to surat Expense added. · Problem =

End wer sin user as in

Soon wer user as influt comment to soon sett, shell an

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Ment and get input the consert with view Enpenses,

set budget and a

Variable & sam Droblem Solve on I In shi on and are program of ala stan variable local fini to anobal antila sammed to see veriable on It program of agiz area Inn condition on access on and

किसने उपराचन Code को रहते जीको की उन्हा शिंगर की A22 फरका प्रोजा

Dexpenses. append (d"Late": Lute, "Cutegoxy": cutegoxy,
"comount": amount, "Liscoiption": Lescoiptions)

Sure with the sex list of Luta the dictionary type of sure with the training program of the Luta the fetch

2) View Expenses

Lef View\_expenses():

if not expenses:

Print ("No expenses recorded.m).

User For oftion 2 the Eosta dilect 2 the expanse and star later of the land expenses expenses the proportion sind from the program return sind the program return sind

ON STORE SUATU & TOTA

Print ('your Expenses!)

for earlin earlemses:

if all (k in eap fork in C'dute', 'cuterony', 'amount', 'description')):

Print (f'Leap ('Lute')) | leap ('Category') | Eleap ['amount')] | leap ('Les cription'))

Print()

#### Tout Put

Your Expenses 2025-0y-2y | travel | 7500 | Junugazh to Surat

SHO ZET I all () function In Use when I all function of Shu shu pusumeter Hatte key expenses of and chaster Duta it all match or I show I had failse first stell match of Shint of Shand formate it stell surger on contents of showing some paint of shand formate it stellars expenses on again 5311 Duta Present int

3) set buzget

det set\_budget():

monthly\_budget = flout (input ('set your monthly
budget: #'))

Print (Duzget Set. M')

Out Put Out Put

set your monthly budget: \$ 30,000}

4) Track bulget

Lef track\_bulget():

total\_expense=sum(RxP['umount]for expin expenses)

Print (f'Total expenses so fer: Extotal\_expenses)

if total\_expense > monthly\_bulyet:

Print ('warning: you have Raceeded your budget!')

Clse:

Print (f genaining budget: 7 (monthly-budgettotal-expense)

Print ()

Problem =

2 writing cole in Run trad of Elan mind truch monthlybudget variable local Vericible 31 of tood when Program of we often an monthly budget in global coald inorth

3 Global monthly-budget line add theat Ital

### Tout Put)

Total expenses so fur: \$500 Remaining budget: \$29500

5) Sure Expenses

import USV

def sure -expenses ():

for Courth Open Clearenses. Csv', w', mewline=", encoding="utfry" as f:

Writer = CSV. Dict Writer (f, fieldnames = [Late, category, comount, lescription])

Column

Cornount (Column

Column

Out Put)

Expenses Sured to CSV.

6) Loud Expenses ():

try:

With open ('eapenses.csv', '%', encozing='utf-s') ouf: Bouder=csv. Dict Reader (f)

for Row in treuder:

expenses, append (1

'dute': now['dute'],

'Category': 800 ['cutegory'],

· amount': Asso [ Aout (Aow [amount'])

Lis Ription': 82W['Lischiption')

(ر

Print ('Previous expenses louder. In')

except FileNot Found Esnos:

Print ('No Previous expense Lute found. \n')

Step-h organize the Program Systematically Grand Wer Program at exit sion of zur rand Menu Show sta 2201 zura zura samua so while loop In Jurini Menu dizai stail

a) while True:

100P से exit होते केलाये

3 break

Program 3नाजो हार्ट उसे पर्येल अगर expenses. csv file भेरवां हो व्यक्ति अगर expenses =[] अवस्ति यल में lous करना होजा (6) 10 10 us - expenses() function को call करना होजा।

मव कोड को का करी क्रांत

import csv

expenses=[]

monthly - budget=0

def add-expense():

boly

det View\_expenses():

body

def Set-budget ():

[boga]

Lef track-bulget():

P092)

def sure-expenses ():

poga)

def loud\_capenses():

[cole]

def menu():

1042-expenses();

while True:

if \_mame\_ == \ \_main\_':
menu()