<u>Student</u>'s <u>Personal</u> <u>Finance</u> Tracker

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Student's Personal Finance Tracking

Introduction:

Managing Personal finance is a crucial part in student's life. Staying away from home and managing expenses is a challenge. So. Here we made a program to manage personal finance that will help to track our day to day expenses. for implement this in programming we used all important programming components like List, Functions, Conditional Statements and Looping Statements etc.

Project Scope: —

This project will serve the purpose of the students who are away from their homes to track their financial expenses and let them track on day to day basis. —

The scope of the project is Data Analysis, Basic Statistical Analyis and Interpretation of results.

Code Explanation:

We are using three functions to achieve our result.

1. track_expenses

Here we declared a dictionary named extra_expense which have the value like Data, category and amount and keys like the variable passed as argument into the function.

2. calculate_balance

Here we declare and inhiate a Variable named 'balance' and inihate it to zero.

Then we will start a for-loop and iterate over expense And then this function will return 'balance'.

3. view_expense

Here we declare a for-loop that will iterate over enumerate(expense).
In the scope of for-loop we will write a print statement with format 'i' and using dictionary with values &
keys.

Now finally we will write the driver-code, where we will initiate a while loop, which will prompt the various user with the options.

Then we will take input from the user based on the prompt showing option.

Now we will start a conditional statement for each option, and when the user input 'y', the program terminates.

Insights:

1- We are taking the transaction record for the particular Student on daily basis after Saving the transactions we can generate the following insights from the code.

→ average transaction amount in a week.
→ Display all transactions.
→ Calculate total amount.

Conclusion:

In Student's Personal finance tracking, Programming Components are essential for Creating System that empower individual Student to track their expences, Plan their budget, analyze their investment, manage their financial status effectively.

List, functions, Conditional Statements and looping Statements play a Vital role while programming a program for the Student's Personal finance tracking where Implementing these Components in Python programs Can lead to better financial decision making, Improving financial Stability and the achievement of long term financial goals.