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# set up prompt, then within set up catragories of erchandise, expense, etc., amount, then generate graph from appended data


import datetime
import pandas as pd
import matplotlib.pyplot as plt

current = datetime.datetime.now()
date = current.strftime("%Y-%m")
print(date)


print('Welcome to your Personal Expense Tracker. Please enter the letter corresponding to your expense today: \n Transportation  t \n Food f '
while True:
  prompt = input('Expense:')
  amt = float(input('Amount: $ '));
  if prompt == 'f':
    food = [];
    food.append(amt);
    if prompt == 't':
      transp = [];
      transp.append(amt);
      if prompt == 'h':
        house = [];
        house.append(amt);
        if prompt == 'u':
          utility = [];
          utility.append(amt);
          if prompt == 'm':
           merch = [];
           merch.append(amt);
           if prompt == 'e':
             enter = [];
             enter.append(amt);
          if prompt == 'exit':
            break
          else:
              print('Error, please enter again');


matrix = {date: [food, transp, house,utility, merch]};
#print(matrix);


#monthly expenses?
#for date in matrix in monthly.items():
 # if date == date:


percent = [ sum(food), sum(transp), sum(house), sum(utility), sum(merch)];
labels = ['Food', 'Transportation', 'House', 'Utility', 'Merchandise'];
plt.figure(figsize=(7, 7))
plt.pie(percent, labels=labels)
plt.title("Expenses")
plt.show()
```

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2025-02
Welcome to your Personal Expense Tracker. Please enter the letter corresponding to your expense today:
 Transportation  t
 Food f
 Housing  h
 Utilities u
 Merchandise  m
 Entertainment e
 Once done type "exit"
---------------------------------------------------------------------------
KeyboardInterrupt                         Traceback (most recent call last)
<ipython-input-19-e3060baa24f3> in <cell line: 0>()
      9 print('Welcome to your Personal Expense Tracker. Please enter the letter corresponding to your expense today: \n Transportation
t \n Food f \n Housing  h\n Utilities u \n Merchandise  m\n Entertainment e\n Once done type "exit"')
     10 while True:
---> 11   prompt = input('Expense:')
     12   amt = float(input('Amount: $ '));
     13   if prompt == 'f':

 1 frames
/usr/local/lib/python3.11/dist-packages/ipykernel/kernelbase.py in _input_request(self, prompt, ident, parent, password)
    893             except KeyboardInterrupt:
    894                 # re-raise KeyboardInterrupt, to truncate traceback
--> 895                 raise KeyboardInterrupt("Interrupted by user") from None
    896             except Exception as e:
    897                 self.log.warning("Invalid Message:", exc_info=True)

KeyboardInterrupt: Interrupted by user
```