```python
# -*- coding: utf-8 -*-
"""

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Instructons:

    1)Open applicaiton

    2)Applicaton should be used for a bi-weekly or monthly spreadhsheet

    3)Rename file (Ex: MonthYear_BookKeeping.xlsx) on line 17

    4)Applicaiton will take one instance of it being executed

    5)After that, any code that is executed will overwrite the previous data already present
"""


import xlsxwriter

from pathlib import Path


workbook = xlsxwriter.Workbook("Book Keeping.xlsx")          #creates workbook named Book
Keeping.xlsx

worksheet = workbook.add_worksheet('Book Keeping Spreadheet')     #creates worksheet


#path to the Book Keeping.xlsx file

book_keeping_file = Path('C:\Users\EJ\Documents\Programming Notes\Python Projects\Book
Keeping.xlsx')


bold = workbook.add_format({'bold': True})              #bold format for text

bold.set_font_size(15)                      #sets the font size to 15

money = workbook.add_format({'num_format': '$#,##0.00'})       #money format for cells


worksheet.write('A1', 'Book Keeping Spreadsheet', bold)
```

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worksheet.write('B1', 'Date: 03/20/2019', bold)

worksheet.write('C1', 'Edgar DeGuzman', bold)


worksheet.set_column(0,0,30)

worksheet.set_column(1,1,20)

worksheet.set_column(2,4,20)


#array for the

book_array_content = ['Amount Paid', 'Transaction Purpose', 'Transaction Date', 'Tranaction Location',
'Payee']


row = 2

column = 0


for item in book_array_content:

    worksheet.write(row, column, item, bold)

    column += 1


if book_keeping_file.is_file():

    row = 3

    def transaction_function():

        print('Enter the following information.')

        amount_input = input('Amount paid for Transaction')

        if amount_input == "":

            print('No amount was entered!')

        transaction_purpose = input('''What was the transaction for? Rent (Rent), Utilities (Utilties),

        Groceries (Groceries), Restaurant (Restaurant), Gas (Gas), Recreational (Recreational)?''')


        if transaction_purpose == "":
```

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            print('The purpose of the payment was not specified!')
        transaction_date = input('When did the transaction occur?')
        if transaction_date == "":
            print('The date was not entered!')
        transaction_location = input('Where was the transaction?')
        if transaction_location == "":
            print('The location was not specified!')
        transaction_payee = input('Who was the tranaction paid to?')
        if transaction_payee == "":
            print('The payee was not specified')
        book_array = [amount_input, transaction_purpose, transaction_date, transaction_location,
transaction_payee]
        print(book_array)
        column = 0
        for x in book_array:
            worksheet.write(row, column, x, money)
            column += 1
    transaction_function()


    transaction_counter = input('Do you need to make another transaction?')
    while transaction_counter == 1:
        row += 1
        transaction_function()
        transaction_counter = input('Do you need to make another transaction?')
else:
    print('The file does not exist!')


worksheet.write(row, 6, 'Total')
worksheet.write(row + 1, 6, '=SUM(A4:A20)', money)
```

```
workbook.close()
```