#book

class book:

def \_\_init\_\_(self, title, writer, isbn, price, stock):

self.\_title = title

self.\_writer = writer

self.\_isbn = isbn

self.\_price = price

self.\_stock = stock

def getTitle(self):

return self.\_title

def getWriter(self):

return self.\_writer

def getIsbn(self):

return self.\_isbn

def getPrice(self):

return self.\_price

def getStock(self):

return self.\_stock

def setWriter(self, writer):

self.\_writer = writer

def setTitle(self, title):

self.\_title = title

def setPrice(self, price):

self.\_price = price

def setIsbn(self, isbn):

self.\_isbn = isbn

def setStock(self, stock):

self.\_stock = stock

def printBookDetail(self):

print(f"""

Judul Buku : {self.\_title}

Penulis Buku : {self.\_writer}

ISBN : {self.\_isbn}

Harga Buku : {self.\_price}

Sisa stok : {self.\_stock}

""")

#main

from book import book

def addBuku(bookSelf, book):

if len(bookSelf) == 0:

bookSelf.append(book)

return f"""Buku berhasil ditambahkan"""

elif int(book.getStock()) < 0:

return f"""Stock tidak boleh negatif"""

elif int(book.getPrice()) < 0:

return f"""Harga buku tidak boleh negatif"""

else:

for buku in bookSelf:

if buku.getTitle() == book.getTitle() and buku.getWriter() == book.getWriter() and buku.getIsbn() == book.getIsbn() and int(buku.getPrice())==book.getPrice():

buku.setStock(buku.getStock()+book.getStock())

return f"""Buku berhasil ditambahkan"""

else:

continue

bookSelf.append(book)

return f"""Buku berhasil ditambahkan"""

def removeBook(bookSelf, bookTitle, stock):

for buku in bookSelf:

if buku.getTitle() == bookTitle:

if buku.getStock()>=stock:

buku.setStock(buku.getStock() - stock)

return f"""berhasil mengurangi buku"""

else:

print(f"""Stok tersedia lebih kecil dari nilai yang hendak dikurangi""")

return f"""Gagal mengurangi buku"""

else:

continue

return "Judul Buku tidak ditemukan"

def beliBuku(bookSelf, belanja, judulBuku, stok):

for buku in bookSelf:

if buku.getTitle() == judulBuku:

if buku.getStock()>=stok:

buku.setStock(buku.getStock()-stok)

belanja.append({'judul' :buku.getTitle(), 'totalItem': stok, 'price': buku.getPrice()})

return "Buku masuk dalam keranjang"

else:

return "Maaf banyak permintaan anda lebih besar daripada stok yang tersedia"

else:

continue

return "permintaan tidak bisa diproses. Buku yang anda maksud tidak ada. Cek kembali rincian permintaan anda."

# Press the green button in the gutter to run the script.

if \_\_name\_\_ == '\_\_main\_\_':

bookSelf = []

belanja = []

TotalHarga = 0

addBuku(bookSelf, book("AADC", "Sil", 123456, 20000, 2))

addBuku(bookSelf, book("AADC", "Sil", 123456, 20000, 2))

addBuku(bookSelf, book("AADC2", "Sil", 123456, 20000, 2))

# for book in bookSelf:

# book.printBookDetail()

#

# removeBook(bookSelf,"AADC2", 1)

# for book in bookSelf:

# book.printBookDetail()

# removeBook(bookSelf,"AADC2", 4)

# for book in bookSelf:

# book.printBookDetail()

action = 1

try:

while action > 0 and action <= 3:

print(f"""

Selamat datang di Toko Buku Masa Depan!

====================================================================================

Anda ingin apa?

====================================================================================

1. Menambah buku/Mengurangi stok buku/Mengecek stok buku

2. Membeli buku

3. Keluar

====================================================================================

""")

action = int(input())

if action == 1:

print(f"""

====================================================================================

Pilih aksi yang hendak anda lakukan!

====================================================================================

1. Menambah buku

2. Mengurangi stok buku

3. Mengecek stok buku

4. Kembali ke menu utama

5. Keluar

====================================================================================

""")

subaction = int(input())

if subaction == 1:

print("Masukkan judul buku:")

judul = input()

print("Masukkan nama penulis:")

penulis = input()

print("Masukkan ISBN")

ISBN = input()

print("Masukkan Harga buku:")

harga = int(input())

while harga < 0:

print("Harga buku tidak boleh negatif")

harga = int(input())

print("Masukkan stock buku")

stok = int(input())

while stok < 0:

print("Stok buku tidak boleh negatif")

stok = int(input())

print(addBuku(bookSelf, book(judul, penulis, ISBN, harga, stok)))

elif subaction == 2:

print("Masukkan Judul buku yang ingin dihapus:")

judulBuku = input()

print("Masukkan banyak stok buku:")

stokBuku = int(input())

while stokBuku < 0:

print("Stok buku tidak boleh negatif")

stokBuku = int(input())

print(removeBook(bookSelf, judulBuku, stokBuku))

elif subaction == 3:

i = 1

for buku in bookSelf:

print(f"""{i}. {buku.getTitle()}""")

buku.printBookDetail()

i += 1

elif subaction == 4:

print(f"""

Selamat datang di Toko Buku Masa Depan!

====================================================================================

Anda ingin apa?

====================================================================================

1. Menambah buku/Mengurangi stok buku/Mengecek stok buku

2. Membeli buku

3. Keluar

====================================================================================

""")

continue

else:

break

elif action == 2:

print(f"""

====================================================================================

Pilih aksi yang hendak anda lakukan!

====================================================================================

1. Cek keranjang anda

2. Beli buku

3. Bayar

4. Kembali ke menu utama

5. Keluar

====================================================================================

""")

subaction = int(input())

if subaction == 1:

if len(belanja) == 0:

print("Tidak ada barang dalam keranjang anda")

else:

print(f"""

====================================================================================

List Belanja Anda

====================================================================================

""")

i = 1

for item in belanja:

TotalHarga += item['price'] \* item['totalItem']

print(f"""

{i}. {item['judul']}

Harga : {item['price']}

Banyak item: {item['totalItem']}

====================================================================================

""")

print(f"""Total Harga Belanjaan: Rp.{TotalHarga}""")

TotalHarga = 0

elif subaction == 2:

print("Masukkan Judul buku yang ingin dibeli:")

judulBuku = input()

print("Masukkan banyak buku yang ingin dibeli:")

stokBuku = int(input())

while stokBuku < 0:

print("Stok buku tidak boleh negatif")

stokBuku = int(input())

print(beliBuku(bookSelf, belanja, judulBuku, stokBuku))

elif subaction == 3:

print(f"""Masukkan uang anda:""")

for item in belanja:

TotalHarga += item['price'] \* item['totalItem']

while True:

uang = int(input())

if uang < TotalHarga:

print("Uang anda tidak cukup. Masukkan kembali:")

else:

print(f"""Transaksi berhasil. Kembalian anda : {uang - TotalHarga}""")

break

TotalHarga = 0

belanja = []

continue

elif subaction == 4:

print(f"""

Selamat datang di Toko Buku Masa Depan!

====================================================================================

Anda ingin apa?

====================================================================================

1. Menambah buku/Mengurangi stok buku/Mengecek stok buku

2. Membeli buku

3. Keluar

====================================================================================

""")

continue

else:

break

else:

break

except:

pass

# See PyCharm help at https://www.jetbrains.com/help/pycharm/