```
) "Library Management System":>
       Class Book:
           def __init__(self, book_id, title, author, copier):
               self. book-id = book-id
               self. title = title
               self, author = author
                self: Copler = Copier.
           def display_info (self):
                print (f"ID: { self, book-id}, Title: { self. title}, Author: { self. outhor }
                 Copier Available: ¿ self. copier 3")
         Class Library:
             def --init_-(self):
                self.books = []
             def add-book (relf, book-id, title, author, copiex):
                 new book = Book (book-id, title, outher, Copice)
                 Alf. books. append (new-book)
                 point ("Book added succenfully.")
              def dieplay-books (relf):
                 if not self, books:
                     point ("No books available in the library.")
                 else:
                     point ("Books in Libraryi")
                     for book in relf, 500 pe;
                         book. display-infel )
               def search_book (self, title):
```

found = False.

(P.T.0)

(1)



```
for book in self books:
       if book. Attle. lower() == title, lower():
          book, duplay-infol)
           found = True
           break
    if not found:
       point ("Book not found.")
  def borrow-book (self, title):
      for Doop in self. boops:
          if book. title, lower () == Attle, lower ():
               If book. Copies > 0;
                   book copier -=1
                   print ("Book borrowed duccerefully.")
               els:
                   print ("Book is not available,")
               return.
        Drint ("Book not found.")
   Let peturn_book (self, title):
        for book in self. boops:
            if book. title. Lower () == title. Lower ();
                book. Copier +=1
                priva ("Book returned sturcerfully.")
                return
         brint ("Book not found.")
library = Library ()
Whle Tou:
```

3

```
Polit (1/n === Library Management System ===")
prind ("1. Add Book")
paint (" g. Ostplay All Books,)
point ("3. Search Book")
peint (14. Bosson Book 11)
point ("S. Return Book")
 point ("6. Exit")
 Choice = input ("Enter your choice:")
 if choice == '1':
     book-id = input ("Enter Book ID:")
     Hile = input("Enter Book Title: ")
     author=input ("Enter Book Author:")
     copier = int (input ("Enter number of Copies:11))
     library. add-book (book-id, title, author, coptex)
  elif choice = = (2):
     library. display_books ()
  elif choice == 13);
      title = input ( Enter book Ittle to leagnch: n)
       library. search_boo a (title)
   elif choice == "4";
       title = input ("enter book title to borrow, ")
       Wheney borrow book (Htle)
   elif choice = = 5);
        title = input ("Enter book title to yeturn:")
        Mbrary. Ireturn_book (#144)
   ellif choice = = 26);
        print ("Eather Program. Grood Bye!")
         boeah.
```

```
elle:
   point (" Invalle choice, Please try again.")
 def --init_ (self, a count-number, name, balance);
```

```
> "Menu based Bank Hangement System".
Class Account:
      self. account-number = account_number
      felf. name z name
      felf. balance z balance
   def display-account (sef):
      point (f"Account Number: & relf. account_number of")
       print ( g " Account Holder , & self. name gn)
       print (f"Balance ?" )
   def deposit (self, amount):
        if amount >0:
          self, balance. + = amount
       elle:
         print ("Invalled Amount! Enter a positive value.")
```

point (f" Amount Deposited Successfully. New Balance = { self, balance}")

def withdraw (telf, amount):

if amount >0: If self. balance >= amount: self. balance -= amount bount (f" Amount withdraw Successfully. Remainly Balance = & self. balance In)

```
else:
```

point ("Insufficient Balance!")

else:

boint ("gralle Amount! Enter a positive value")

def check_balance(self):

print (f"Available Balance = { self, balance }")

Clase Bank:

def :-init_-(xelf):
selfaccountr=[]

def create account ('self, account-number, name, balance):

New-account = Account (account-number, name, balance)

self.account.append (new-account)

print ("Account created succenfully.")

def find-account (self, account_number):
for account in self.accounts:

If account, account_number == account_number: return account.

return None

banka z Bonka()

While True:

print ("In ==== Bank Management System ===zz")
print ("I. create Account")

print ("a. View Account Details")

print ("3, Depott Movey")

print (14. Withdraw Money")

```
print ("5. Check Balance")
print ("6. Exit")
Choice = input ('Enter your choice: ")
if Choice == (1):
   acc_no = input ("Enter Account Number:")
   Name = input ( "Enter Account Holder Name: ")
   bolance = float (input ("Enter guittal Balance: "))
    bank.create_account (acc_no, name, balance)
Clif choice z = (2):
    acc-no = infat ("Enter Account Number:")
     account = bomp. find : account (acc-no)
     if account:
        account. desplay-account ()
      else:
        bount (" Account not found!")
 Clif choice zz'3);
      accino = input ("Enter Account Number; ")
     account = bonk, find-account (acc-no)
      if account:
        amount = float (input ("Enter Amount to Deposit, "))
         a (count, deposit (amount)
      else
         print ("Account not found !")
  elif choic == 41;
      acc-no=input ("Enter Account Number; ")
      account = bough, find_account (acc_no).
      if account:
```

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```
amount = float (input ("Enter amount to withdraw: "))
 account. Withdraw (amount)
 else:
   point ("Account Not found (")
Plif Choice = = 5):
  acc-no = input ("Enter Account Number: ")
  account = bank. find -account (acc_no)
   if account:
      account.check balance ()
   elle:
      bornt ("Account Not Found!")
 elif choice = = 4);
     brit ("Exiting Program. Thank You!")
     break
 eln:
     point ("Invalled choice! Please Try opalu.")
```

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