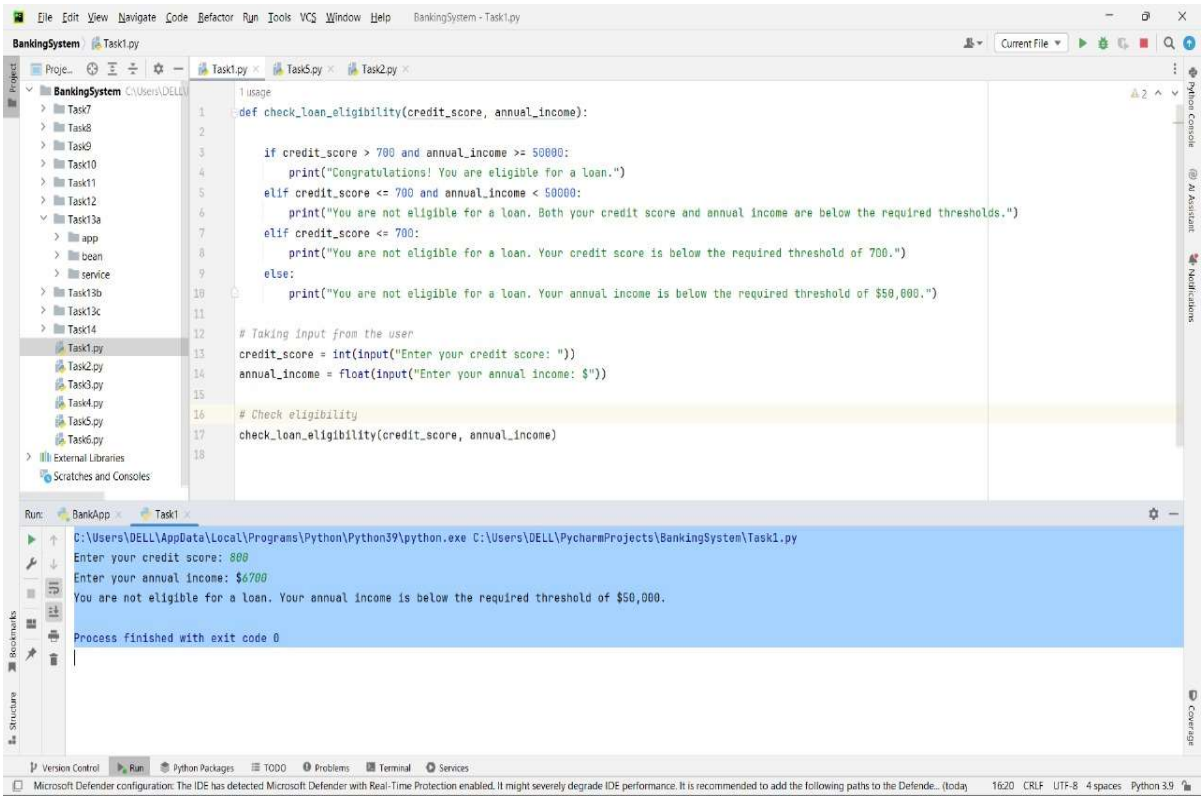
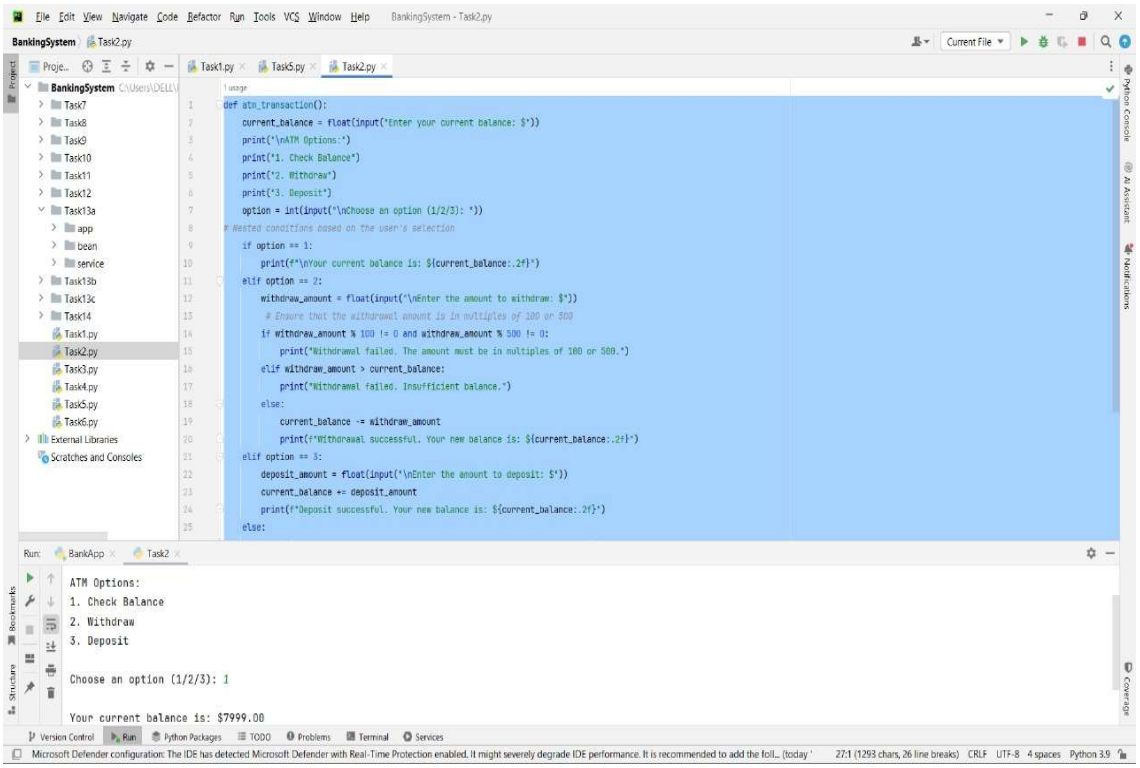


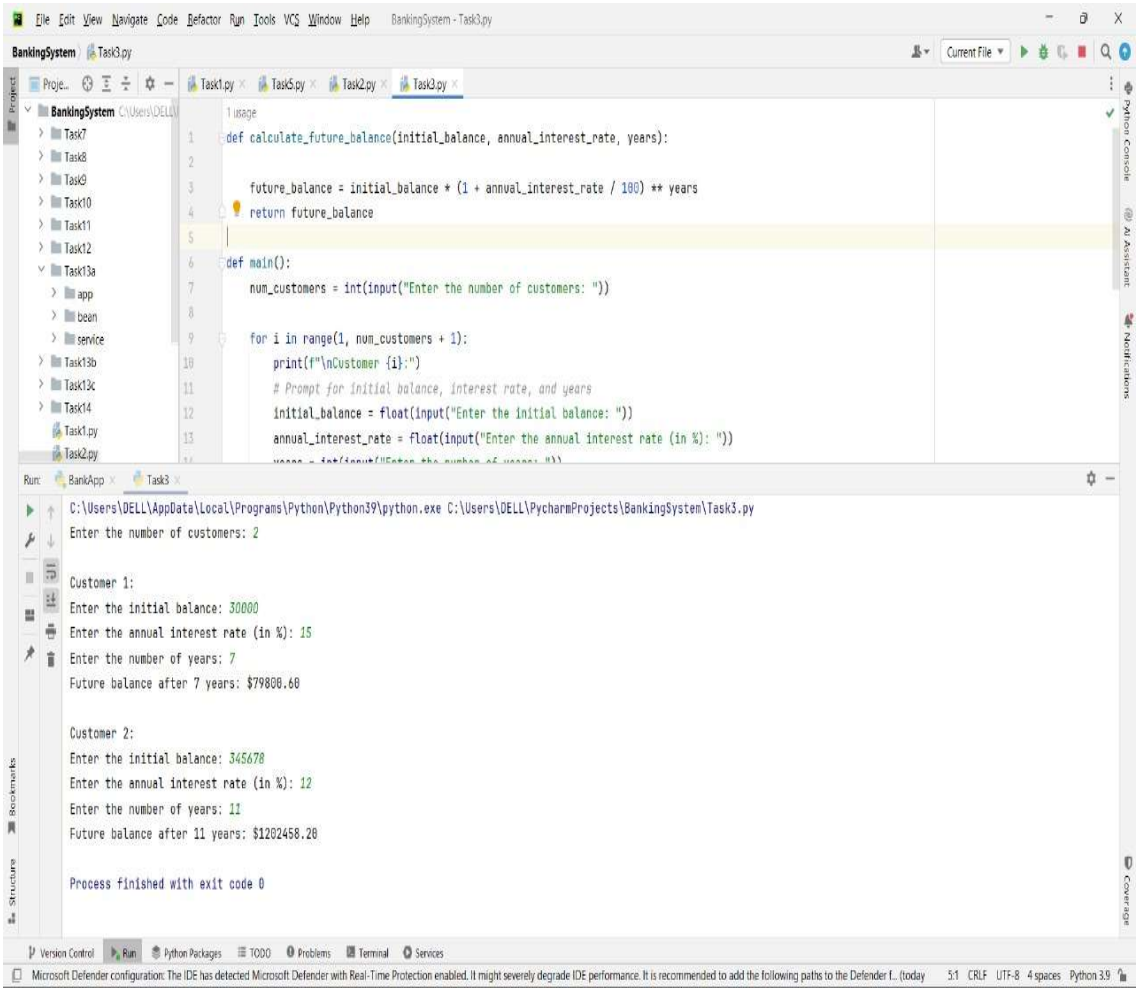
```
def check_loan_eligibility(credit_score, annual_income):

    if credit_score > 700 and annual_income >= 50000:
        print("Congratulations! You are eligible for a loan.")
    elif credit_score <= 700 and annual_income < 50000:
        print("You are not eligible for a loan. Both your credit score and annual income are below the required thresholds.")
    elif credit_score <= 700:
        print("You are not eligible for a loan. Your credit score is below the required threshold of 700.")
    else:
        print("You are not eligible for a loan. Your annual income is below the required threshold of $50,000.")

# Taking input from the user
credit_score = int(input("Enter your credit score: "))
annual_income = float(input("Enter your annual income: $"))

# Check eligibility
check_loan_eligibility(credit_score, annual_income)
```

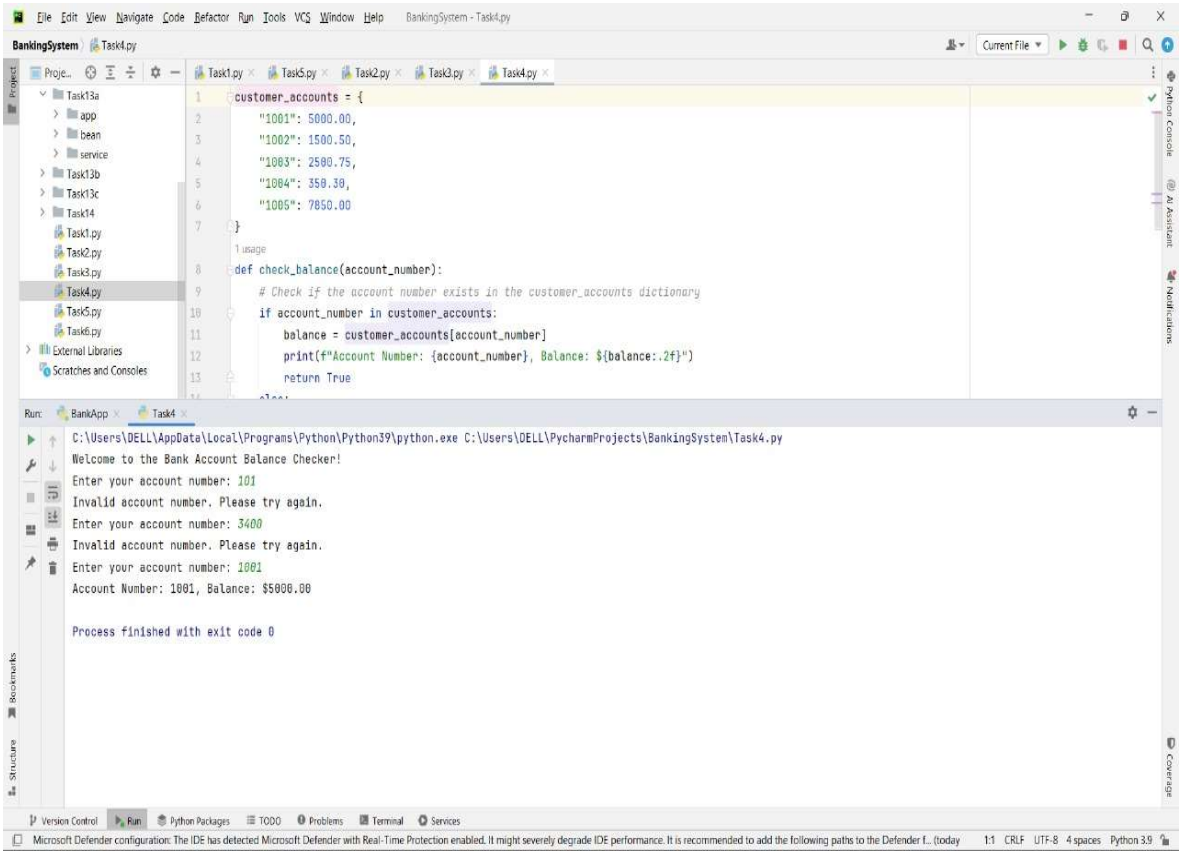
```
C:\Users\DELL\AppData\Local\Programs\Python\Python39\python.exe C:\Users\DELL\PycharmProjects\BankingSystem\Task1.py
Enter your credit score: 800
Enter your annual income: $6700
You are not eligible for a loan. Your annual income is below the required threshold of $50,000.

Process finished with exit code 0
```

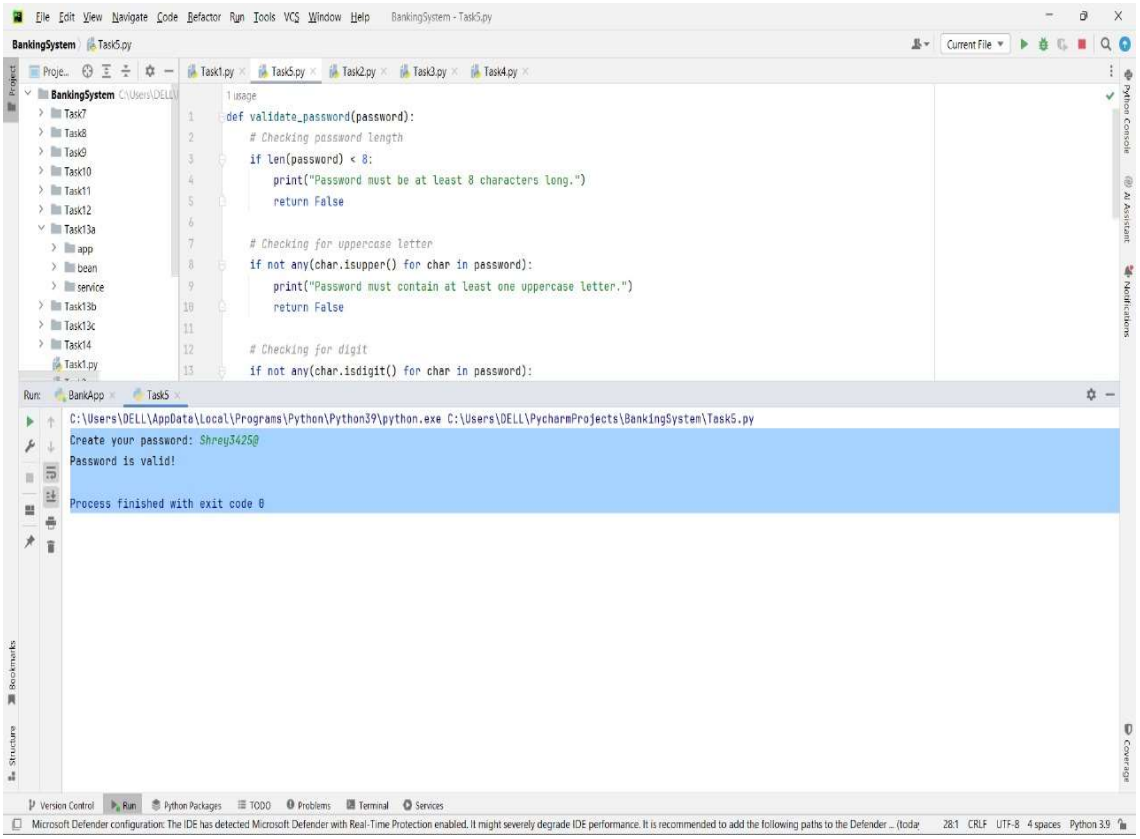


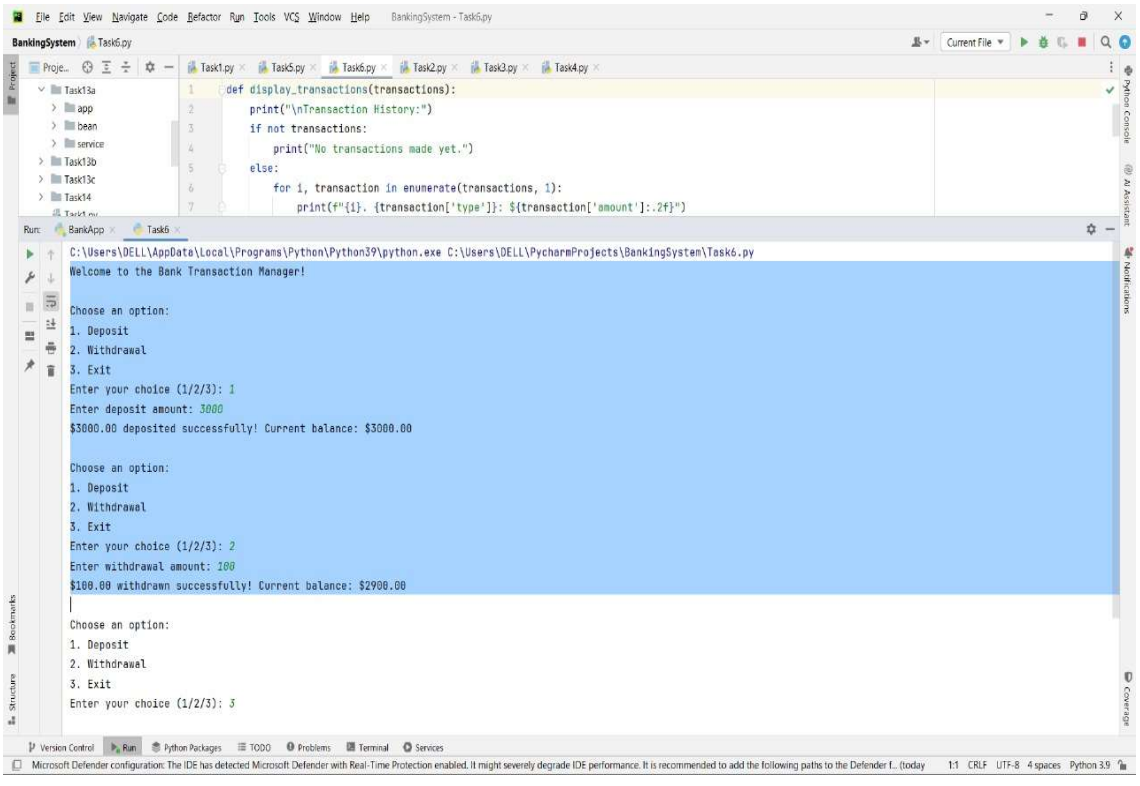
```
def atm_transaction():
    current_balance = float(input("Enter your current balance: $"))
    print("\nATM Options:")
    print("1. Check Balance")
    print("2. Withdraw")
    print("3. Deposit")
    option = int(input("\nChoose an option (1/2/3): "))
# Nested conditions based on the user's selection
    if option == 1:
        print(f"\nYour current balance is: ${current_balance:.2f}")
    elif option == 2:
        withdraw_amount = float(input("\nEnter the amount to withdraw: $"))
        # Ensure that the withdrawal amount is in multiples of 100 or 500
        if withdraw_amount % 100 != 0 and withdraw_amount % 500 != 0:
            print("Withdrawal failed. The amount must be in multiples of 100 or 500.")
        elif withdraw_amount > current_balance:
            print("Withdrawal failed. Insufficient balance.")
        else:
            current_balance -= withdraw_amount
            print(f"Withdrawal successful. Your new balance is: ${current_balance:.2f}")
    elif option == 3:
        deposit_amount = float(input("\nEnter the amount to deposit: $"))
        current_balance += deposit_amount
        print(f"Deposit successful. Your new balance is: ${current_balance:.2f}")
    else:
```

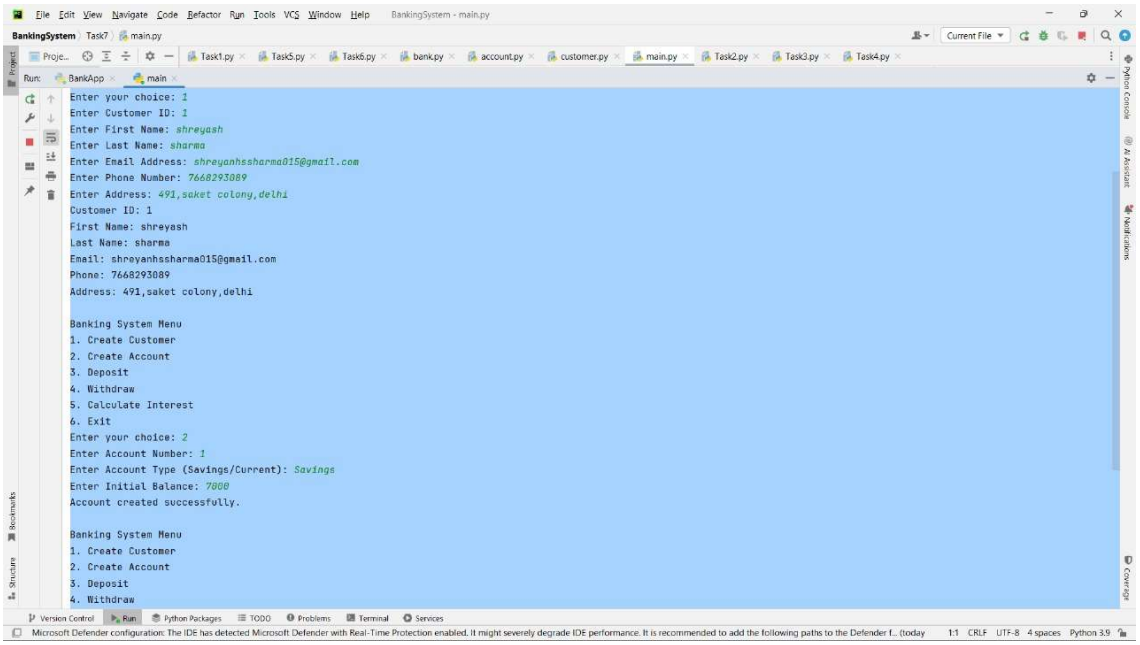
```
ATM Options:
1. Check Balance
2. Withdraw
3. Deposit

Choose an option (1/2/3): 1

Your current balance is: $7999.00
```

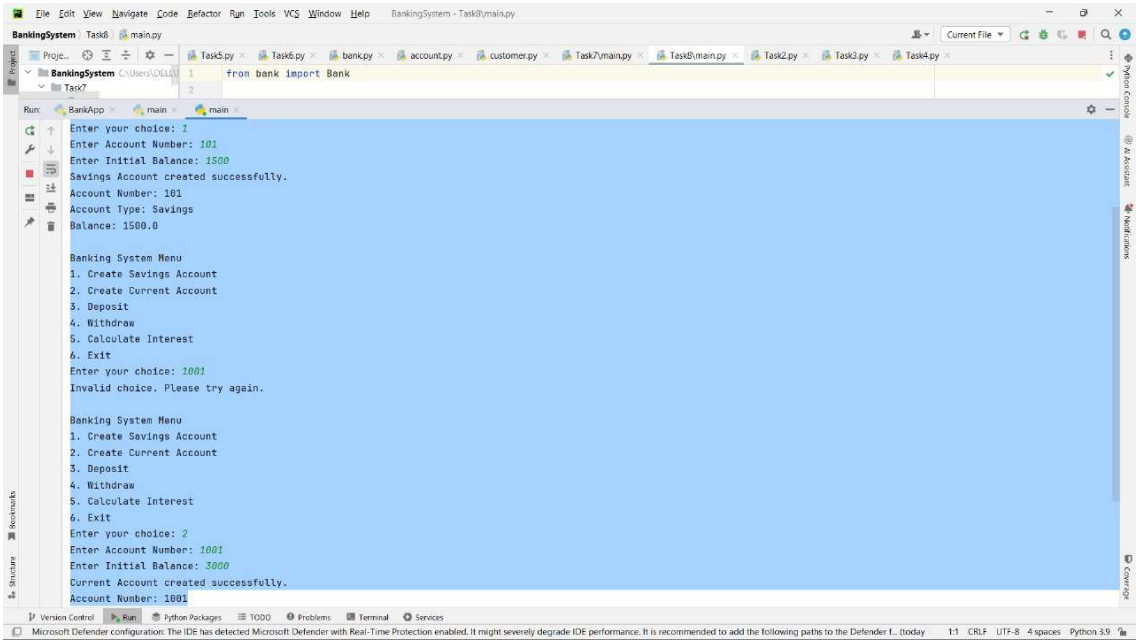

File Edit View Navigate Code Refactor Run Tools VCS Window Help BankingSystem - Task3.py
BankingSystem Task3.py
Current File
Task1.py Task5.py Task2.py Task3.py
1 usage
def calculate_future_balance(initial_balance, annual_interest_rate, years):
future_balance = initial_balance * (1 + annual_interest_rate / 100) ** years
return future_balance
def main():
num_customers = int(input("Enter the number of customers: "))
for i in range(1, num_customers + 1):
print(f"\nCustomer {i}:")
# Prompt for initial balance, interest rate, and years
initial_balance = float(input("Enter the initial balance: "))
annual_interest_rate = float(input("Enter the annual interest rate (in %): "))
Run: BankApp Task3
C:\Users\DELL\AppData\Local\Programs\Python\Python39\python.exe C:\Users\DELL\PycharmProjects\BankingSystem\Task3.py
Enter the number of customers: 2
Customer 1:
Enter the initial balance: 30000
Enter the annual interest rate (in %): 15
Enter the number of years: 7
Future balance after 7 years: $79800.60
Customer 2:
Enter the initial balance: 345678
Enter the annual interest rate (in %): 12
Enter the number of years: 11
Future balance after 11 years: $1202458.20
Process finished with exit code 0
Version Control Run Python Packages TODO Problems Terminal Services
Microsoft Defender configuration: The IDE has detected Microsoft Defender with Real-Time Protection enabled. It might severely degrade IDE performance. It is recommended to add the following paths to the Defender f... (today
5:1 CRLF UTF-8 4 spaces Python 3.9

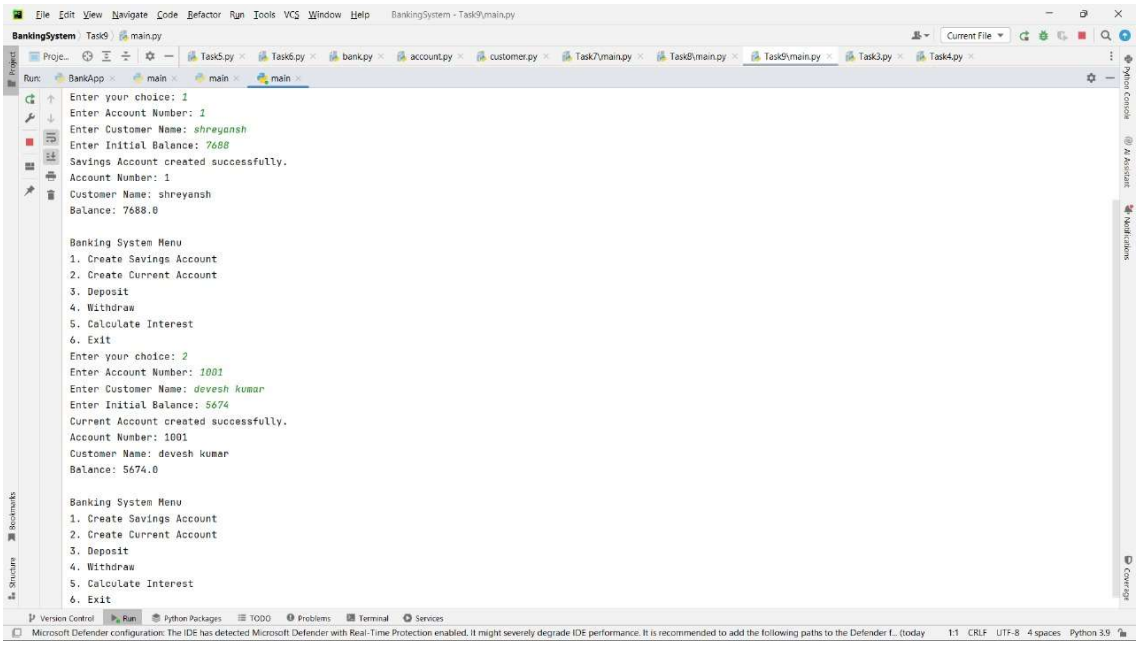

File Edit View Navigate Code Refactor Run Tools VCS Window Help
BankingSystem - Task4.py
BankingSystem
Task4.py
Current File
Task1.py
Task5.py
Task2.py
Task3.py
Task4.py
customer_accounts = {
"1001": 5000.00,
"1002": 1500.50,
"1003": 2500.75,
"1004": 350.30,
"1005": 7850.00
}
1 usage
def check_balance(account_number):
# Check if the account number exists in the customer_accounts dictionary
if account_number in customer_accounts:
balance = customer_accounts[account_number]
print(f"Account Number: {account_number}, Balance: ${balance:.2f}")
return True
Run:
BankApp
Task4
C:\Users\DELL\AppData\Local\Programs\Python\Python39\python.exe C:\Users\DELL\PycharmProjects\BankingSystem\Task4.py
Welcome to the Bank Account Balance Checker!
Enter your account number: 101
Invalid account number. Please try again.
Enter your account number: 3400
Invalid account number. Please try again.
Enter your account number: 1001
Account Number: 1001, Balance: $5000.00
Process finished with exit code 0
Version Control
Run
Python Packages
TODO
Problems
Terminal
Services
Microsoft Defender configuration: The IDE has detected Microsoft Defender with Real-Time Protection enabled. It might severely degrade IDE performance. It is recommended to add the following paths to the Defender f... (today
1:1
CRLF
UTF-8
4 spaces
Python 3.9

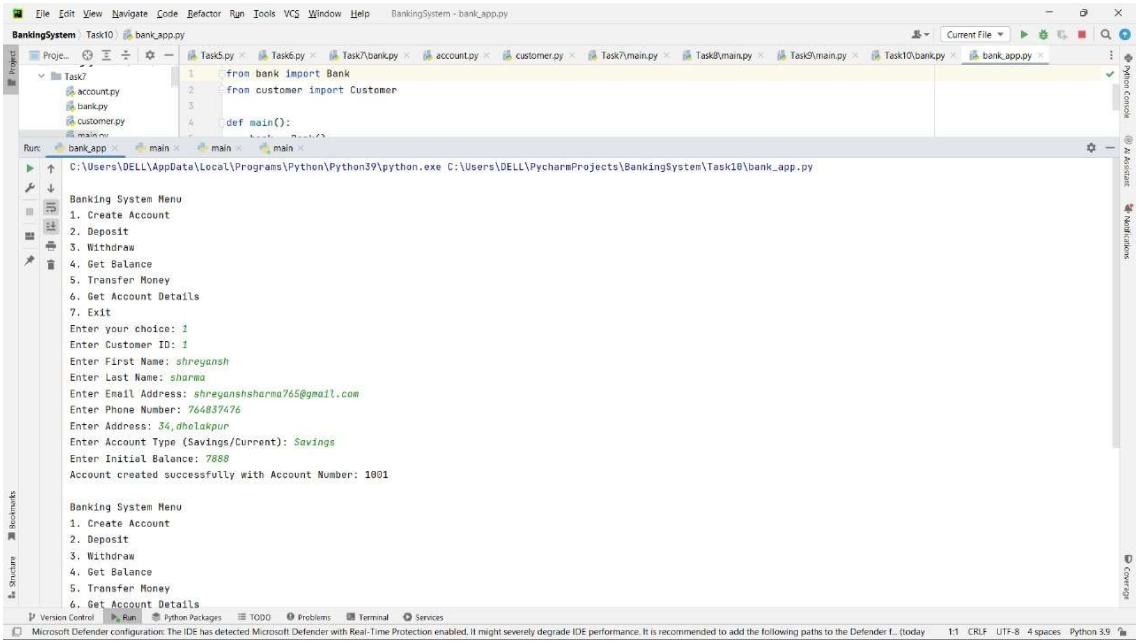

File Edit View Navigate Code Refactor Run Tools VCS Window Help BankingSystem - Task5.py
BankingSystem Task5.py
Current File
Task1.py Task5.py Task2.py Task3.py Task4.py
1 usage
def validate_password(password):
# Checking password length
if len(password) < 8:
print("Password must be at least 8 characters long.")
return False
# Checking for uppercase letter
if not any(char.isupper() for char in password):
print("Password must contain at least one uppercase letter.")
return False
# Checking for digit
if not any(char.isdigit() for char in password):
Run: BankApp Task5
C:\Users\DELL\AppData\Local\Programs\Python\Python39\python.exe C:\Users\DELL\PycharmProjects\BankingSystem\Task5.py
Create your password: Shrey3425@
Password is valid!
Process finished with exit code 0
Version Control Run Python Packages TODO Problems Terminal Services
Microsoft Defender configuration: The IDE has detected Microsoft Defender with Real-Time Protection enabled. It might severely degrade IDE performance. It is recommended to add the following paths to the Defender ... (toda
28:1 CRLF UTF-8 4 spaces Python 3.9

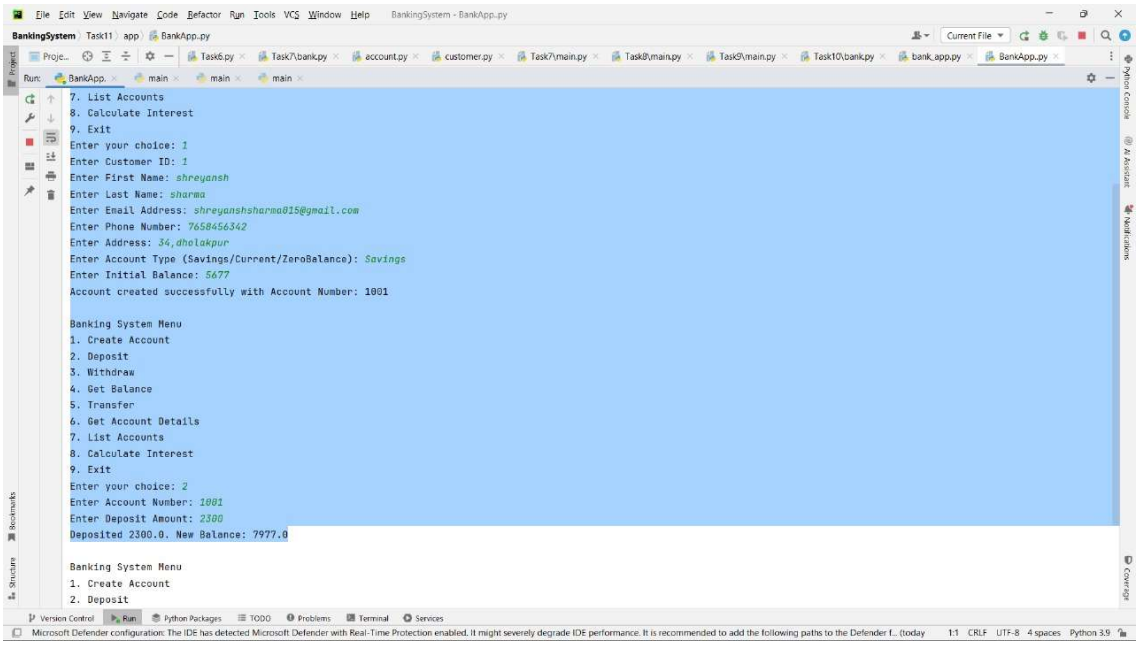

File Edit View Navigate Code Refactor Run Tools VCS Window Help BankingSystem - Task6.py
BankingSystem Task6.py
Current File
Task1.py Task5.py Task6.py Task2.py Task3.py Task4.py
def display_transactions(transactions):
print("\nTransaction History:")
if not transactions:
print("No transactions made yet.")
else:
for i, transaction in enumerate(transactions, 1):
print(f"{i}. {transaction['type']}: ${transaction['amount']:.2f}")
Run: BankApp Task6
C:\Users\DELL\AppData\Local\Programs\Python\Python39\python.exe C:\Users\DELL\PycharmProjects\BankingSystem\Task6.py
Welcome to the Bank Transaction Manager!
Choose an option:
1. Deposit
2. Withdrawal
3. Exit
Enter your choice (1/2/3): 1
Enter deposit amount: 3000
$3000.00 deposited successfully! Current balance: $3000.00
Choose an option:
1. Deposit
2. Withdrawal
3. Exit
Enter your choice (1/2/3): 2
Enter withdrawal amount: 100
$100.00 withdrawn successfully! Current balance: $2900.00
Choose an option:
1. Deposit
2. Withdrawal
3. Exit
Enter your choice (1/2/3): 3
Version Control Run Python Packages TODO Problems Terminal Services
Microsoft Defender configuration: The IDE has detected Microsoft Defender with Real-Time Protection enabled. It might severely degrade IDE performance. It is recommended to add the following paths to the Defender f... (today
1:1 CRLF UTF-8 4 spaces Python 3.9

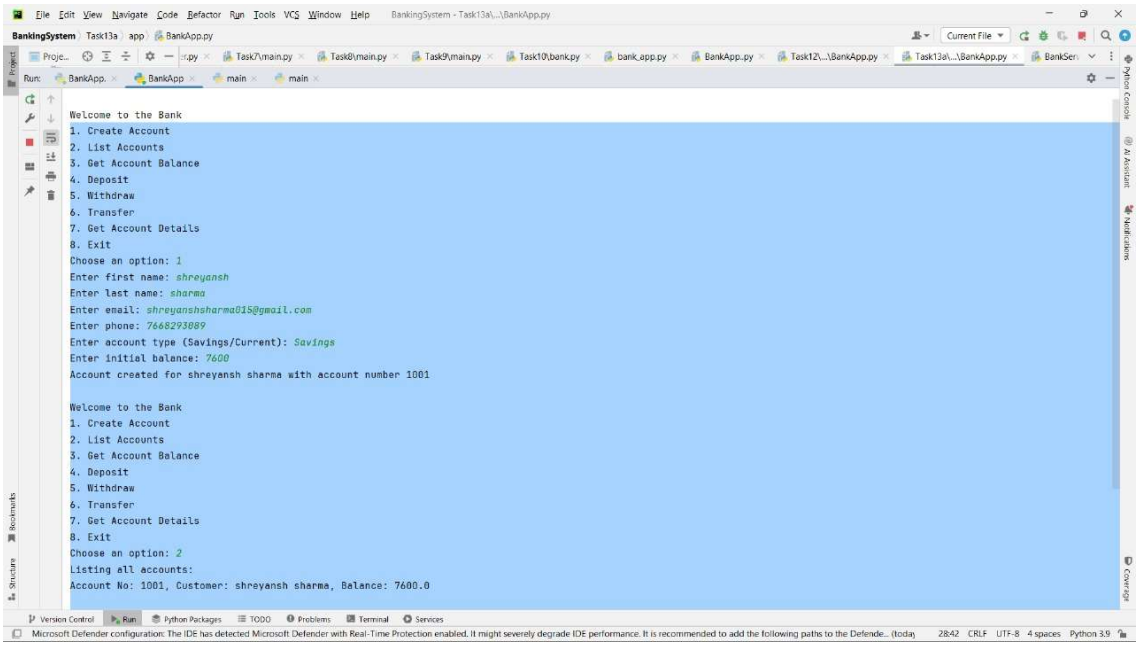

Enter your choice: 1
Enter Customer ID: 1
Enter First Name: shreyash
Enter Last Name: sharma
Enter Email Address: shreyanhssharma015@gmail.com
Enter Phone Number: 7668293089
Enter Address: 491,saket colony,delhi
Customer ID: 1
First Name: shreyash
Last Name: sharma
Email: shreyanhssharma015@gmail.com
Phone: 7668293089
Address: 491,saket colony,delhi
Banking System Menu
1. Create Customer
2. Create Account
3. Deposit
4. Withdraw
5. Calculate Interest
6. Exit
Enter your choice: 2
Enter Account Number: 1
Enter Account Type (Savings/Current): Savings
Enter Initial Balance: 7000
Account created successfully.
Banking System Menu
1. Create Customer
2. Create Account
3. Deposit
4. Withdraw

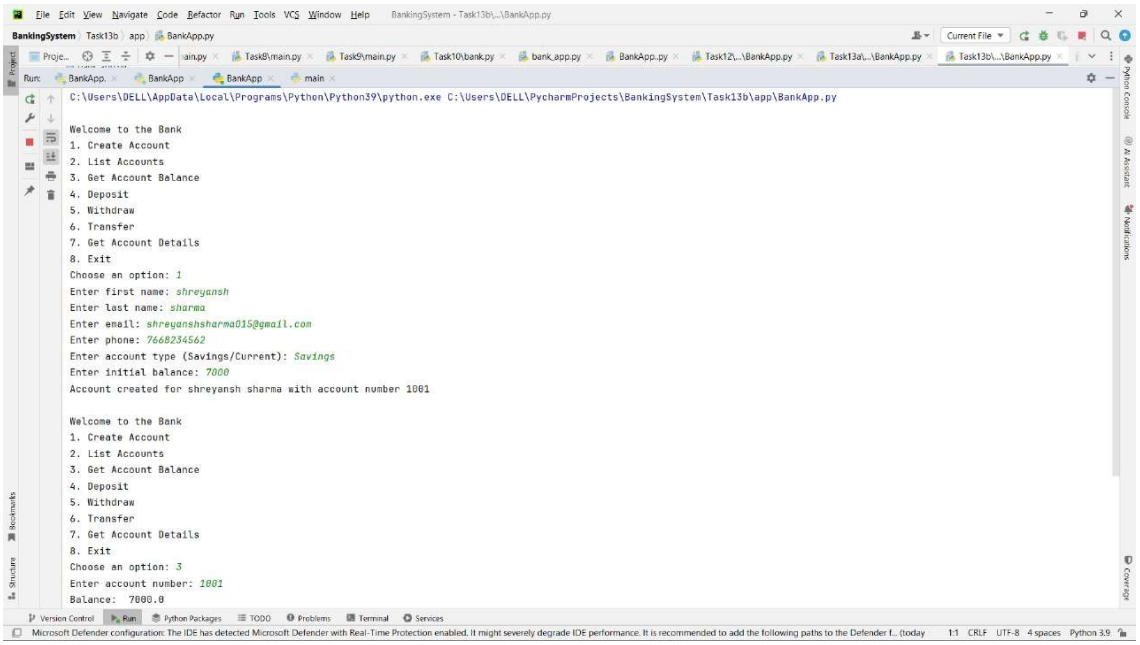

from bank import Bank
Enter your choice: 1
Enter Account Number: 101
Enter Initial Balance: 1500
Savings Account created successfully.
Account Number: 101
Account Type: Savings
Balance: 1500.0
Banking System Menu
1. Create Savings Account
2. Create Current Account
3. Deposit
4. Withdraw
5. Calculate Interest
6. Exit
Enter your choice: 1001
Invalid choice. Please try again.
Banking System Menu
1. Create Savings Account
2. Create Current Account
3. Deposit
4. Withdraw
5. Calculate Interest
6. Exit
Enter your choice: 2
Enter Account Number: 1001
Enter Initial Balance: 3000
Current Account created successfully.
Account Number: 1001

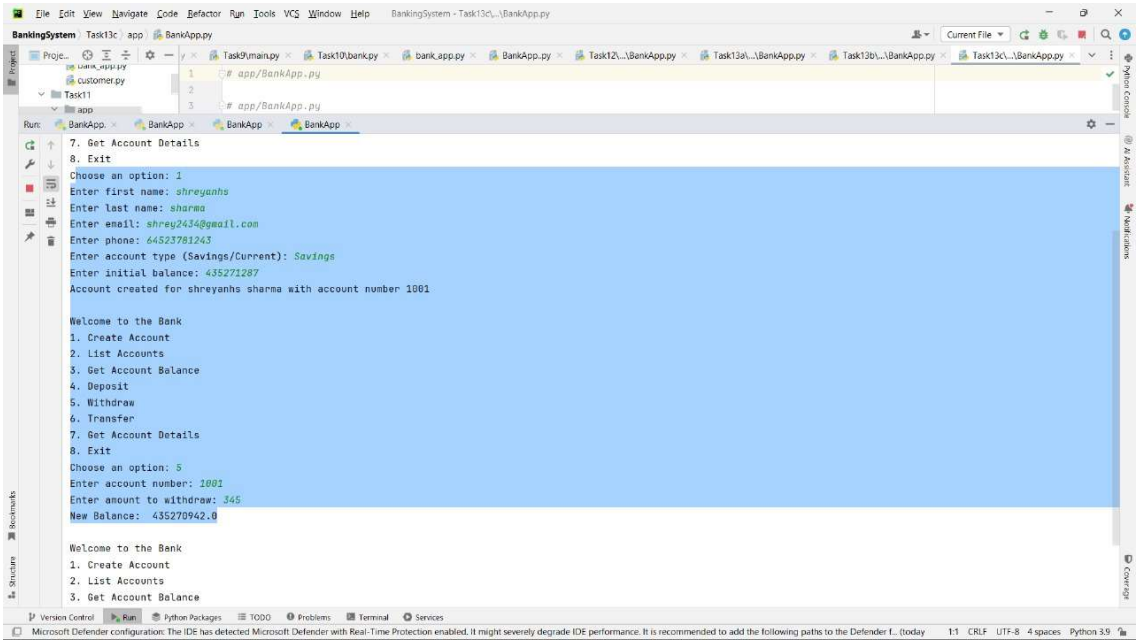

Enter your choice: 1
Enter Account Number: 1
Enter Customer Name: shreyansh
Enter Initial Balance: 7688
Savings Account created successfully.
Account Number: 1
Customer Name: shreyansh
Balance: 7688.0
Banking System Menu
1. Create Savings Account
2. Create Current Account
3. Deposit
4. Withdraw
5. Calculate Interest
6. Exit
Enter your choice: 2
Enter Account Number: 1001
Enter Customer Name: devesh kumar
Enter Initial Balance: 5674
Current Account created successfully.
Account Number: 1001
Customer Name: devesh kumar
Balance: 5674.0
Banking System Menu
1. Create Savings Account
2. Create Current Account
3. Deposit
4. Withdraw
5. Calculate Interest
6. Exit

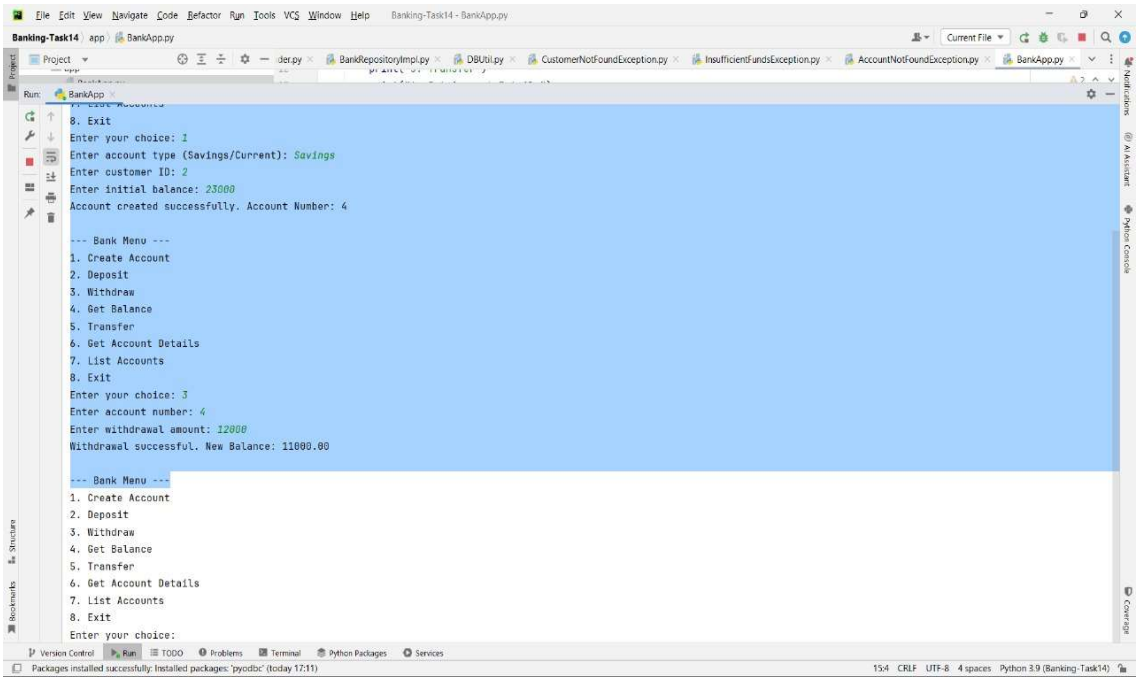

from bank import Bank
from customer import Customer
def main():
C:\Users\DELL\AppData\Local\Programs\Python\Python39\python.exe C:\Users\DELL\PycharmProjects\BankingSystem\Task10\bank_app.py
Banking System Menu
1. Create Account
2. Deposit
3. Withdraw
4. Get Balance
5. Transfer Money
6. Get Account Details
7. Exit
Enter your choice: 1
Enter Customer ID: 1
Enter First Name: shreyansh
Enter Last Name: sharma
Enter Email Address: shreyanshsharma765@gmail.com
Enter Phone Number: 764837476
Enter Address: 34,dholakpur
Enter Account Type (Savings/Current): Savings
Enter Initial Balance: 7888
Account created successfully with Account Number: 1001
Banking System Menu
1. Create Account
2. Deposit
3. Withdraw
4. Get Balance
5. Transfer Money
6. Get Account Details

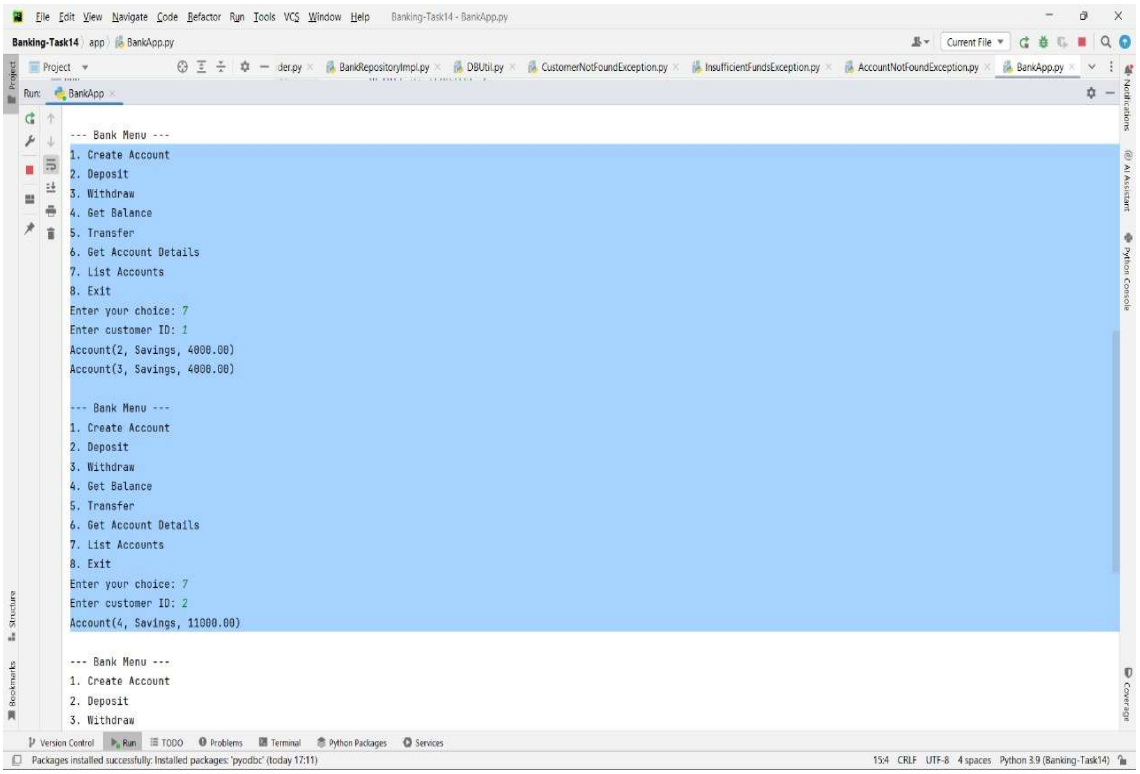

7. List Accounts
8. Calculate Interest
9. Exit
Enter your choice: 1
Enter Customer ID: 1
Enter First Name: shreyansh
Enter Last Name: sharma
Enter Email Address: shreyanshsharma015@gmail.com
Enter Phone Number: 7658456342
Enter Address: 34,dholakpur
Enter Account Type (Savings/Current/ZeroBalance): Savings
Enter Initial Balance: 5677
Account created successfully with Account Number: 1001
Banking System Menu
1. Create Account
2. Deposit
3. Withdraw
4. Get Balance
5. Transfer
6. Get Account Details
7. List Accounts
8. Calculate Interest
9. Exit
Enter your choice: 2
Enter Account Number: 1001
Enter Deposit Amount: 2300
Deposited 2300.0. New Balance: 7977.0
Banking System Menu
1. Create Account
2. Deposit

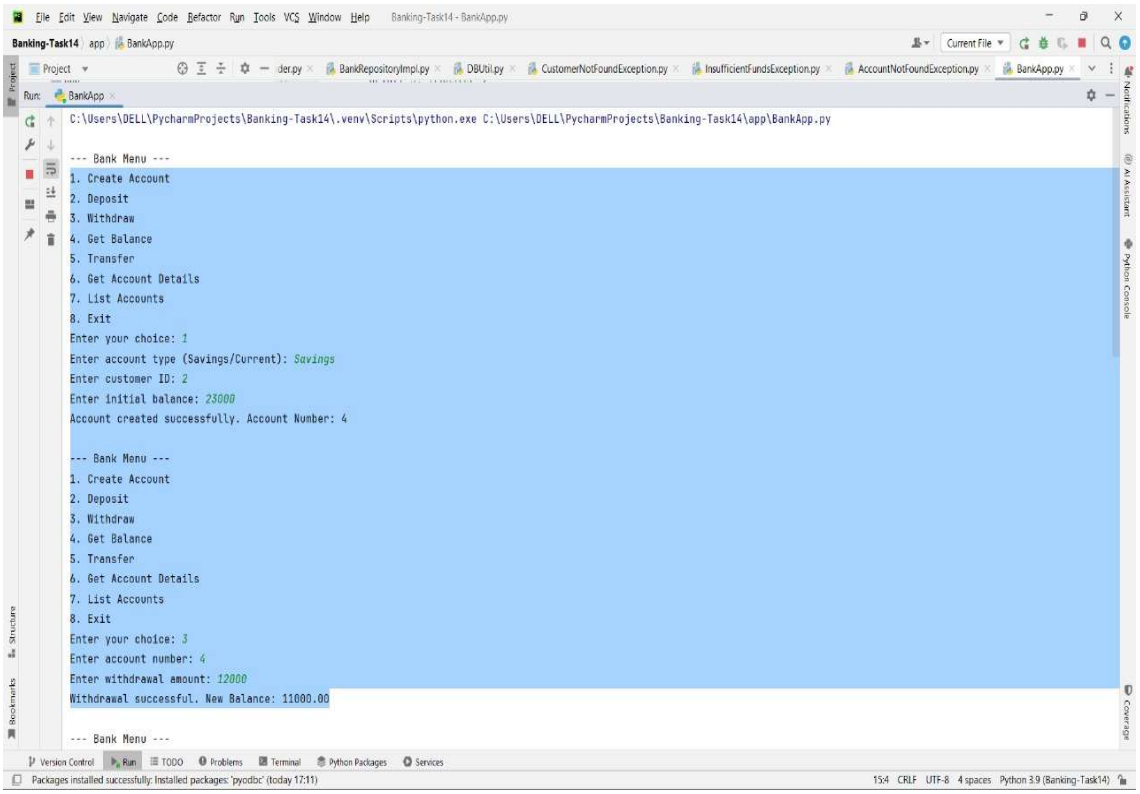

Welcome to the Bank
1. Create Account
2. List Accounts
3. Get Account Balance
4. Deposit
5. Withdraw
6. Transfer
7. Get Account Details
8. Exit
Choose an option: 1
Enter first name: shreyansh
Enter last name: sharma
Enter email: shreyanshsharma015@gmail.com
Enter phone: 7668293089
Enter account type (Savings/Current): Savings
Enter initial balance: 7600
Account created for shreyansh sharma with account number 1001
Welcome to the Bank
1. Create Account
2. List Accounts
3. Get Account Balance
4. Deposit
5. Withdraw
6. Transfer
7. Get Account Details
8. Exit
Choose an option: 2
Listing all accounts:
Account No: 1001, Customer: shreyansh sharma, Balance: 7600.0


C:\Users\DELL\AppData\Local\Programs\Python\Python39\python.exe C:\Users\DELL\PycharmProjects\BankingSystem\Task13b\app\BankApp.py
Welcome to the Bank
1. Create Account
2. List Accounts
3. Get Account Balance
4. Deposit
5. Withdraw
6. Transfer
7. Get Account Details
8. Exit
Choose an option: 1
Enter first name: shreyansh
Enter last name: sharma
Enter email: shreyanshsharma015@gmail.com
Enter phone: 7668234562
Enter account type (Savings/Current): Savings
Enter initial balance: 7000
Account created for shreyansh sharma with account number 1001
Welcome to the Bank
1. Create Account
2. List Accounts
3. Get Account Balance
4. Deposit
5. Withdraw
6. Transfer
7. Get Account Details
8. Exit
Choose an option: 3
Enter account number: 1001
Balance: 7000.0


7. Get Account Details
8. Exit
Choose an option: 1
Enter first name: shreyanhs
Enter last name: sharma
Enter email: shrey2434@gmail.com
Enter phone: 64523781243
Enter account type (Savings/Current): Savings
Enter initial balance: 435271287
Account created for shreyanhs sharma with account number 1001
Welcome to the Bank
1. Create Account
2. List Accounts
3. Get Account Balance
4. Deposit
5. Withdraw
6. Transfer
7. Get Account Details
8. Exit
Choose an option: 5
Enter account number: 1001
Enter amount to withdraw: 345
New Balance: 435270942.0
Welcome to the Bank
1. Create Account
2. List Accounts
3. Get Account Balance


8. Exit
Enter your choice: 1
Enter account type (Savings/Current): Savings
Enter customer ID: 2
Enter initial balance: 23000
Account created successfully. Account Number: 4
--- Bank Menu ---
1. Create Account
2. Deposit
3. Withdraw
4. Get Balance
5. Transfer
6. Get Account Details
7. List Accounts
8. Exit
Enter your choice: 3
Enter account number: 4
Enter withdrawal amount: 12000
Withdrawal successful. New Balance: 11000.00
--- Bank Menu ---
1. Create Account
2. Deposit
3. Withdraw
4. Get Balance
5. Transfer
6. Get Account Details
7. List Accounts
8. Exit
Enter your choice:


--- Bank Menu ---
1. Create Account
2. Deposit
3. Withdraw
4. Get Balance
5. Transfer
6. Get Account Details
7. List Accounts
8. Exit
Enter your choice: 7
Enter customer ID: 1
Account(2, Savings, 4000.00)
Account(3, Savings, 4000.00)
--- Bank Menu ---
1. Create Account
2. Deposit
3. Withdraw
4. Get Balance
5. Transfer
6. Get Account Details
7. List Accounts
8. Exit
Enter your choice: 7
Enter customer ID: 2
Account(4, Savings, 11000.00)
--- Bank Menu ---
1. Create Account
2. Deposit
3. Withdraw


File Edit View Navigate Code Refactor Run Tools VCS Window Help Banking-Task14 - BankApp.py
Banking-Task14 app BankApp.py
Current File
Project
BankRepositoryImpl.py
DBUtil.py
CustomerNotFoundException.py
InsufficientFundsException.py
AccountNotFoundException.py
BankApp.py
Run: BankApp
C:\Users\DELL\PycharmProjects\Banking-Task14\.venv\Scripts\python.exe C:\Users\DELL\PycharmProjects\Banking-Task14\app\BankApp.py
--- Bank Menu ---
1. Create Account
2. Deposit
3. Withdraw
4. Get Balance
5. Transfer
6. Get Account Details
7. List Accounts
8. Exit
Enter your choice: 1
Enter account type (Savings/Current): Savings
Enter customer ID: 2
Enter initial balance: 23000
Account created successfully. Account Number: 4
--- Bank Menu ---
1. Create Account
2. Deposit
3. Withdraw
4. Get Balance
5. Transfer
6. Get Account Details
7. List Accounts
8. Exit
Enter your choice: 3
Enter account number: 4
Enter withdrawal amount: 12000
Withdrawal successful. New Balance: 11000.00
--- Bank Menu ---
Version Control
Run
TODO
Problems
Terminal
Python Packages
Services
Packages installed successfully: Installed packages: 'pyodbc' (today 17:11)
15:4 CRLF UTF-8 4 spaces Python 3.9 (Banking-Task14)