Challenge 2.1

```python
class BankAccount:
    def __init__(self, account_number, account_holder_name, initial_balance):
        self.__account_number = account_number
        self.__account_holder_name = account_holder_name
        self.__account_balance = initial_balance

    def deposit(self, amount):
        if amount > 0:
            self.__account_balance += amount
            print(f"Deposited ${amount}. New balance: ${self.__account_balance}")
        else:
            print("Invalid deposit amount. Please enter a positive value.")

    def withdraw(self, amount):
        if 0 < amount <= self.__account_balance:
            self.__account_balance -= amount
            print(f"Withdrew ${amount}. New balance: ${self.__account_balance}")
        else:
```

main.py


9:16 AM
Challenge 2.2 - Replit
replit.com
Challenge 2.2
/nix/store/zqk3m21442kvpjwd3rh41wdavqkzkyik-python3-wrapper/bin/python3 $file
The batsman is batting
The bowler is bowling
Console
Run

Challenge 2.1

```
15          if 0 < amount <= self.__account_balance:
16              self.__account_balance -= amount
17              print(f"Withdrew ${amount}. New balance: ${self.__account_balance}")
18          else:
19              print("Insufficient funds or invalid withdrawal amount.")
20
21      def display_balance(self):
22          print(f"Account balance for {self.__account_holder_name}: ${self.__account_balance}")
23
24
25  # Example usage:
26  if __name__ == "__main__":
27      # Create an instance of BankAccount
28      my_account = BankAccount("123456789", "John Doe", 1000.0)
29
30      # Deposit and withdraw money
31      my_account.deposit(500)
32      my_account.withdraw(200)
33      my_account.display_balance()
```


9:15 AM
Challenge 2.1 - Replit
replit.com
Challenge 2.1
/nix/store/zqk3m21442kvpjwd3rh41wdavqkzkyik-python3-wrapper/bin/python3 $file
Deposited $500. New balance: $1500.0
Withdrew $200. New balance: $1300.0
Account balance for John Doe: $1300.0
Console
Run