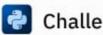
```
7:36 📞 守
                                     (약 4G : ill 🗎
                                        ⊖ Exit
Challenges 2.1 :
1 v class BankAccount:
2 \ def __init__(self, account_number,
    account_holder_name, initial_balance):
            self.__account_number =
3
    account_number
            self.__account_holder_name =
4
    account_holder_name
5
            self.__account_balance =
    initial balance
6
7 .
        def deposit(self, amount):
8 ,
            if amount > 0:
9
                 self.__account_balance +=
    amount
                print(f"Deposited
10
    ${amount}. New balance:
    ${self.__account_balance}")
11 ~
            else:
12
                print("Invalid deposit
    amount. Please enter a positive value.")
13
14 ,
      def withdraw(self, amount):
            if amount > 0 and amount <=
15 🗸
    self. account balance:
16
                 self.__account_balance -=
    amount
17
                print(f"Withdrew ${amount}.
    New balance: ${self.__account_balance}")
18 🗸
            else:
19
                print("Invalid withdrawal
                               Ln 1, Col 1 History 'S
                   🏓 main.py
                      Run
```

```
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← Exit

    Challenges 2.1
19
                 print("Invalid withdrawal
    amount or insufficient balance.")
20
        def display_balance(self):
21 🗸
22
            print(f"Account Holder:
    {self. account holder name}")
             print(f"Account Number:
23
    {self.__account_number}")
            print(f"Account Balance:
24
    ${self. account balance}")
25
26
27
28 v if __name__ == "__main__":
29
30
        my_account =
    BankAccount("123456789", "kaviya",
    100000.0)
31
32
33
        my_account.display_balance()
34
35
        # Deposit money
        my_account.deposit(500.0)
36
37
38
39
        my_account.withdraw(200.0)
40
41
42
        my_account.display_balance()
                                Ln 1, Col 1 History 5
                   🌼 main.py
                      Run
```





## Challenge 2.1



Account Holder: kavipriya Account Number: 123456789 Account Balance: \$100000.0

Deposited \$500.0. New balance: \$100500.0 Withdrew \$200.0. New balance: \$100300.0

Account Holder: kavipriya Account Number: 123456789 Account Balance: \$100300.0



```
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                                     ứ밭 4G :::I 🗎
                                       € Exit
Challenges 2.2
1 v class Player:
2 \ def play(self):
3
            print("The player is playing
    cricket")
4
5 v class Batsman(Player):
6 def play(self):
            print("The batsman is batting")
8
9 v class Bowler(Player):
     def play(self):
11
            print("The bowler is bowling")
12
13
14
    batsman = Batsman()
    bowler = Bowler()
15
16
17
18
    batsman.play()
19
                              Ln 19, Col 1 History 5
                  e main.py
                                           Run
```

