

```
In [ ]: 1 class ATM:
2         def __init__(self, balance=1000):
3             self.balance = balance
4
5         def check_balance(self):
6             return self.balance
7
8         def deposit(self, amount):
9             if amount > 0:
10                 self.balance += amount
11                 return f"Deposited ${amount}. New balance: ${self.balance}"
12             else:
13                 return "Invalid deposit amount."
14
15         def withdraw(self, amount):
16             if amount > 0 and amount <= self.balance:
17                 self.balance -= amount
18                 return f"Withdrew ${amount}. New balance: ${self.balance}"
19             else:
20                 return "Invalid withdrawal amount or insufficient funds."
21
22 def main():
23     atm = ATM()
24
25     while True:
26         print("\nATM Menu:")
27         print("1. Check Balance")
28         print("2. Deposit")
29         print("3. Withdraw")
30         print("4. Exit")
31         choice = input("Enter your choice: ")
32         if choice == "1":
33             atm.check_balance()
34         elif choice == "2":
35             amount = float(input("Enter amount to deposit: "))
36             atm.deposit(amount)
37         elif choice == "3":
38             amount = float(input("Enter amount to withdraw: "))
39             atm.withdraw(amount)
40         elif choice == "4":
41             break
42         else:
43             print("Invalid choice. Please try again.")
44
45 if __name__ == "__main__":
46     main()
```