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PROBLEM # 1

main.py

```python
def print_multiplication_table(rows, cols):
    print("\n\t\tMultiplication Table")
    for i in range(1, rows + 1):
        for j in range(1, cols + 1):
            print(f"{i * j:4}", end="")
        print()


def main():
    rows = int(input("How many rows: "))
    cols = int(input("How many cols: "))
    print_multiplication_table(rows, cols)


main()
```

SAMPLE OUTPUT

```
How many rows: 5
How many cols: 6

                Multiplication Table
   1   2   3   4   5   6
   2   4   6   8  10  12
   3   6   9  12  15  18
   4   8  12  16  20  24
   5  10  15  20  25  30


...Program finished with exit code 0
Press ENTER to exit console.
```

PROBLEM # 2

main.py

```
def display_menu():
    print("\n\t\tABCCDE ATM")
    print("**************************")
    print("1. Show Balance")
    print("2. Deposit")
    print("3. Withdraw")
    print("4. Exit")
    print("**************************")

def show_balance(balance):
    print("**************************")
    print(f"Your balance is ${balance:.2f}")
    print("**************************")

def deposit(balance):
    amount = float(input("Enter an amount to be deposited: "))
    balance += amount
    return balance

def withdraw(balance):
    amount = float(input("Enter amount to be withdrawn: "))
    if amount > balance:
        print("Insufficient funds!")
    else:
        balance -= amount
    return balance

def main():
    balance = 0.0
    while True:
        display_menu()
        choice = input("Enter your choice (1-4): ")
        print("**************************")

        if choice == '1':
            show_balance(balance)
        elif choice == '2':
            balance = deposit(balance)
        elif choice == '3':
            balance = withdraw(balance)
        elif choice == '4':
            print("Thank you for using ABCCDE ATM!")
            break
        else:
            print("Invalid choice. Please enter a number from 1 to 4.")
main()

```

SAMPLE OUTPUT