Sumbillo, Jessie C. 9/06/2025

### C204

#### Problem 1

```
rows = int(input("How many rows: "))
cols = int(input("How many cols: "))
print("Multiplication table")

for i in range(1, rows + 1):
    for j in range(1, cols + 1):
        print(f"{i * j:4}", end=" ")
print()
```

# Output 1

```
How many rows: 10
How many cols: 10
Multiplication table
                                          7
                       4
                             5
                                    6
                                                 8
                                                        9
                                                             10
          4
                6
                       8
    2
                            10
                                   12
                                         14
                                                16
                                                      18
                                                             20
                9
                      12
                            15
                                   18
                                         21
                                                24
                                                      27
                                                             30
                            20
         8
                                         28
    4
               12
                      16
                                   24
                                                32
                                                      36
                                                             40
    5
         10
               15
                      20
                            25
                                   30
                                         35
                                                40
                                                      45
                                                             50
         12
                      24
    6
                            30
                                   36
                                          42
                                                48
                                                             60
               18
                                                      54
    7
         14
               21
                      28
                            35
                                   42
                                         49
                                                56
                                                      63
                                                             70
    8
         16
               24
                      32
                            40
                                   48
                                         56
                                                64
                                                      72
                                                             80
    9
         18
                            45
                                   54
                                                             90
               27
                      36
                                         63
                                                72
                                                      81
  10
         20
               30
                      40
                            50
                                   60
                                          70
                                                80
                                                      90
                                                            100
```

# Output 2

```
How many rows:
                    3
How many cols:
                    5
Multiplication
                    table
    1
          2
                 3
                       4
                              10
    2
          4
                 Ø
                       8
                             10
    3
          0
                 9
                      12
                             15
```

#### Problem 2

```
balance = 600
3 def show balance():
        print(f"Your balance is {balance:.2f}")
6 - def deposit():
        global balance
        amount = float(input("Enter amount to be deposited: "))
balance += amount
        print(f"Your balance is {balance:.2f}")
12 - def withdraw():
l3
       global balance
        amount = float(input("Enter amount to be withdraw: "))
L5 ·
        if amount > balance:
            print("Insufficient funds.")
L6
            balance -= amount
            print(f"Your balance is {balance:.2f}")
21 - def atm_menu():
           print("\nABCCDE ATM")
            print("************
            print("1. Show Balance")
            print("2. Deposit")
           print("3. Withdraw")
print("4. Exit")
print("*************")
choice = input("Enter your choice (1-4): ")
29
30
31
32 -
            if choice == '1':
                 show_balance()
            elif choice == '2':
35
36 -
37
38 -
39
            deposit()
elif choice == '3':
             withdraw()
elif choice == '4':
                 print("Thank you for using ABCODEE ATM!")
break
                 print("Invalid choice. Please enter a number from 1 to 4.")
45 atm_menu()
```

```
ABCCDE ATM
 ********

    Show Balance

 Deposit
 Withdraw
 4. Exit
 ******
 Enter your choice (1-4):
 Enter your choice (1-4): 1
 Your balance is 600.00
 ABCCDE ATM
 ******

    Show Balance

 Deposit
 Withdraw
 4. Exit
 ******
 Enter your choice (1-4):
Enter your choice (1-4): 2
Enter amount to be deposited: 6721
Your balance is 7321.00
ABCCDE ATM
******
1. Show Balance
Deposit
Withdraw
Exit
******
Enter your choice (1-4):
Enter your choice (1-4): 3
Enter amount to be withdraw: 4312
Your balance is 3009.00
ABCCDE ATM
******

    Show Balance

Deposit
Withdraw
Exit
******
Enter your choice (1-4):
Enter your choice (1-4): 4
Thank you for using ABCODEE ATM!
```