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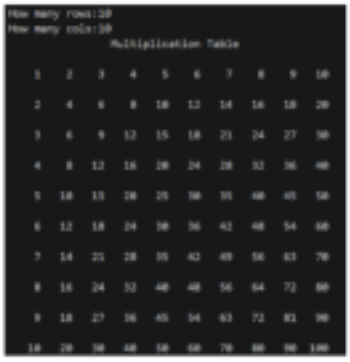
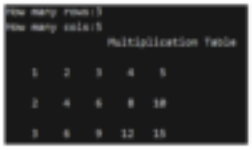
Problem 1.

Create an n x n Multiplication table using **Nested FOR Loop.** The user must enter the number of rows and columns that will be displayed in the Table.

Sample Output 1



Sample Output 2.



main.py

```
1 usage
def multiplicationtable(rows, cols):
    print("\n\tMultiplication Table\n")


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

rows = int(input("How many rows: "))
cols = int(input("How many cols: "))

multiplicationtable(rows, cols)
```

Problem 2. Create a bank program that will allow the user to perform the ff: Use Functions as necessary

```
**********************
      ABCCDE ATM
**********************
1.Show Balance
2.Deposit
3.Withdraw
4.Exit
**********************
```

```
Enter your choice (1-4): 1
**********************
Your balance is $0.00
**********************
```

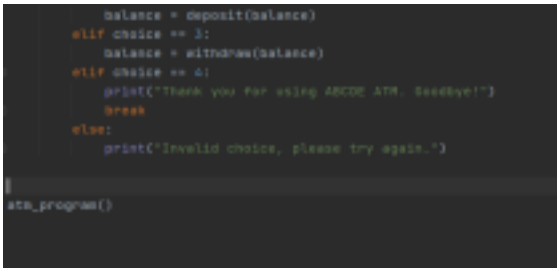
```
**********************
Enter your choice (1-4): 2
**********************
Enter an amount to be deposited: 1000
**********************
```

```
Enter your choice (1-4): 1
**********************
Your balance is $1000.00
**********************
```

```
Enter your choice (1-4): 3
**********************
Enter amount to be withdrawn: 250
**********************
```

```
**********************
Enter your choice (1-4): 1
**********************
Your balance is $750.00
**********************
```

```python
1 usage
def show_balance(balance):
    print(f"Your balance is ${balance:.2f}")


1 usage
def deposit(balance):
    amount = float(input("Enter an amount to be deposited: "))
    balance += amount
    print(f"Deposited ${amount:.2f}")
    return balance


1 usage
def withdraw(balance):
    amount = float(input("Enter amount to be withdrawn: "))
    if amount <= balance:
        balance -= amount
        print(f"Withdrew ${amount:.2f}")
    else:
        print("Insufficient funds")
    return balance


1 usage
def atm_program():
    balance = 0.00
    while True:
        print("\n********** ABCDE ATM **********")
        print("1. Show Balance")
        print("2. Deposit")
        print("3. Withdraw")
        print("4. Exit")
        print("*******************************")

        choice = int(input("Enter your choice (1-4): "))

        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 ABCDE ATM. Goodbye!")
            break
        else:
            print("Invalid choice, please try again.")

atm_program()
```