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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

```
How many rows:10
How many cols:10
                Multiplication Table

    1    2    3    4    5    6    7    8    9   10

    2    4    6    8   10   12   14   16   18   20

    3    6    9   12   15   18   21   24   27   30

    4    8   12   16   20   24   28   32   36   40

    5   10   15   20   25   30   35   40   45   50

    6   12   18   24   30   36   42   48   54   60

    7   14   21   28   35   42   49   56   63   70

    8   16   24   32   40   48   56   64   72   80

    9   18   27   36   45   54   63   72   81   90

   10   20   30   40   50   60   70   80   90  100
```

ample Output 2.

```
How many rows:3
How many cols:5
                Multiplication Table

    1    2    3    4    5

    2    4    6    8   10

    3    6    9   12   15
```

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```
1 usage
def Mult_table(rows, columns):
    print("\n\tMultiplication Table\n")

    for x in range(1, rows + 1):
        for y in range(1, columns + 1):
            print(f"{x * y}", end="\t")
        print()

rows = int(input("Enter the number of rows: "))
columns = int(input("Enter the number of columns: "))

Mult_table(rows,columns)
```

```
Enter the number of rows: 3
Enter the number of columns: 5

    Multiplication Table

1   2   3   4   5
2   4   6   8   10
3   6   9   12  15

Process finished with exit code 0
```

```
Enter the number of rows: 10
Enter the number of columns: 10

    Multiplication Table

1   2   3   4   5   6   7   8   9   10
2   4   6   8   10  12  14  16  18  20
3   6   9   12  15  18  21  24  27  30
4   8   12  16  20  24  28  32  36  40
5   10  15  20  25  30  35  40  45  50
6   12  18  24  30  36  42  48  54  60
7   14  21  28  35  42  49  56  63  70
8   16  24  32  40  48  56  64  72  80
9   18  27  36  45  54  63  72  81  90
10  20  30  40  50  60  70  80  90  100

Process finished with exit code 0
```

main.py | Aquino.py | Aquino1.py

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


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    amount = float(input("Enter amount to be withdrawn: "))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

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
def atm():
    balance = 0.00
    while True:
        print("\n************** ABCCDE 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_bal(balance)
        elif choice == 2:
            balance = deposit(balance)
        elif choice == 3:
            balance = withdraw(balance)
        elif choice == 4:
            print("Thank you for using ABCCDE ATM. Goodbye!")
            break
        else:
            print("Invalid choice, please try again.")


atm()
```

```
************** ABCCDE ATM **************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
************************************
Enter your choice (1-4): 1
Your balance is $0.0

************** ABCCDE ATM **************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
************************************
Enter your choice (1-4): 2
Enter an amount to be deposited: 1000
Deposited $1000.0
```

```
************** ABCCDE ATM **************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
************************************
Enter your choice (1-4): 3
Enter amount to be withdrawn: 500
Withdrew $500.0

************** ABCCDE ATM **************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
************************************
Enter your choice (1-4): 1
Your balance is $500.0

************** ABCCDE ATM **************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
************************************
Enter your choice (1-4): 5
Invalid choice, please try again.
```

```
********** ABCCDE ATM **********
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
**********************************
Enter your choice (1-4): 4
Thank you for using ABCCDE ATM. Goodbye!

Process finished with exit code 0
```