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C204

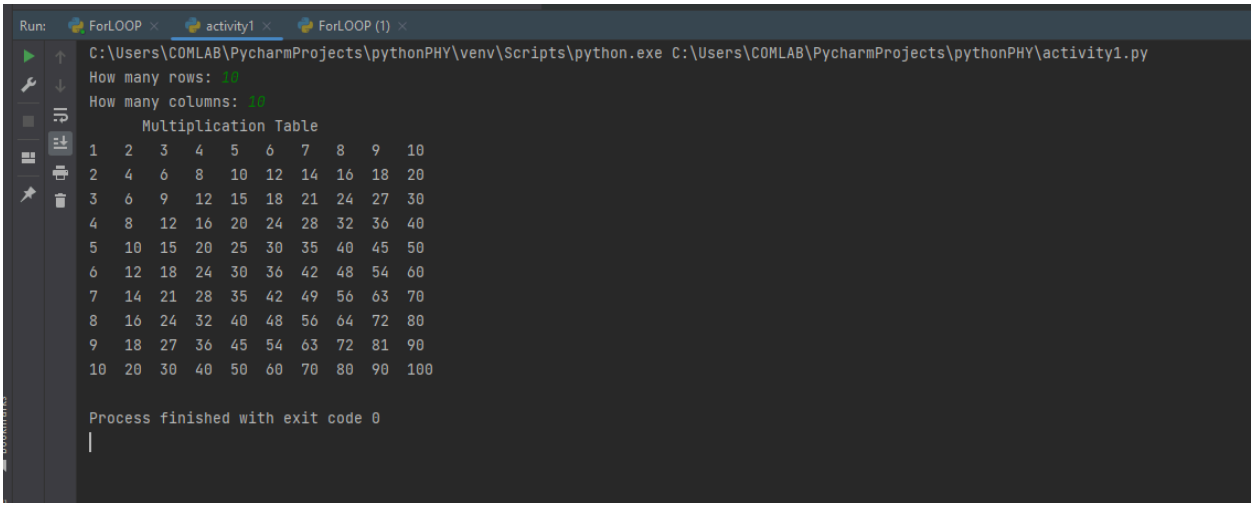
Problem #1: Multiplication Table using **Nested Loop**

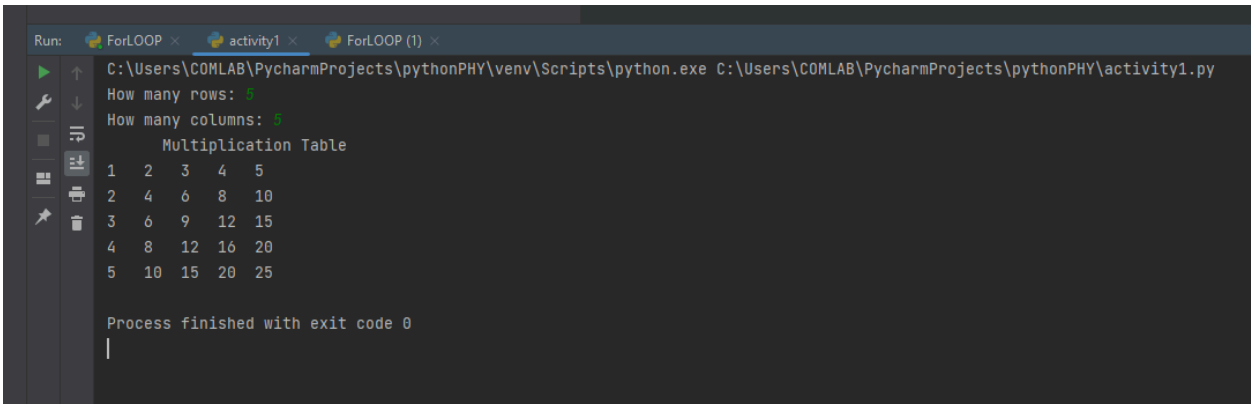
```
#Nested loops

rows = int(input("How many rows: "))
colums = int(input("How many columns: "))
print("\t  Multiplication Table ")


for a in range(1, rows+1):
    for b in range(1, colums+1):
        print(a*b, end="\t")
    print()
```

Sample Output:





Problem#2: Create a Bank Program that will allow the user to perform the ff: Use Functions as necessary

Run | Debug | Stop | Share | Save | { } Beautify

main.py

```python
#Bank

def check_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    amount = float(input("Enter amount to be withdrawn: "))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

    while True:
        print("****************")
        print("  ABCCDEF ATM  ")
        print("****************")
        print("1. Show Balance")
        print("2. Deposit")
        print("3. Withdraw")
        print("4. Exit")
        print("****************")

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

        if choice == "1":
            check_balance(balance)
        elif choice == "2":
            balance = deposit(balance)
        elif choice == "3":
            balance = withdraw(balance)
        elif choice == "4":
            print("\nThank you for using ABCCDEF ATM.")
            break
        else:
            print("Invalid choice. Please select 1-4.")

main()
```

Sample Output:

```
****************
  ABCCDEF ATM
****************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
****************
Enter your choice (1-4): 1
****************
Your balance is $0.00
****************
****************
  ABCCDEF ATM
****************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
****************
Enter your choice (1-4): 2
Enter an amount to be deposited: 1000
****************
  ABCCDEF ATM
****************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
****************
```

```
****************
Enter your choice (1-4): 1
****************
Your balance is $1000.00
****************
****************
  ABCCDEF ATM
****************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
****************
Enter your choice (1-4): 3
Enter amount to be withdrawn: 250
****************
  ABCCDEF ATM
****************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
****************
Enter your choice (1-4): 1
****************
Your balance is $750.00
****************
****************
  ABCCDEF ATM
****************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit
****************
Enter your choice (1-4): 4

Thank you for using ABCCDEF ATM.
```