10/9/25 Task 7: utilizing 'functions' concepts in python programming

Aim:- To write a python program using functions to perform basic banking transactions such as deposit, withdraw and balance inquiry.

Algorithm:-

1. start the program
2. intialize a variable balance to store the account balance
3. deposit → Add amount to balance
4. withdraw → subtract amount if balance sufficient is sufficie
5. use a loop to allow multiple transactions until the users exit
6. end the program

program:-

```
def deposit(amount)
 global balance
 balance--amount
print(₹amount)deposited successfull)

def withdraw(amount
 global balance
 if amount--balance
 printf(-₹amount withdraw successfully")
  else
    print(insuffient balance")
while true
 print("\n---Banking Transaction menu...")
 print("1. Deposit money")
 print("2. withdraw money")
 print("3. check balance")
 print("4. Exit")
 print(Thank you for using the Banking system)
```

Result:- Thus, the banking system in function concepts program Executed Successfully.

Output:-

1. Deposit money
2. withdraw money
3. check balance
4. Exit

Enter the choice (1-4) = 1

Enter amount to deposit : 5000

₹5000 deposited Successfully.

7b : Student Result calculator. 10/09/25

Aim:- To write a python program using functions to accept marks of 3 subjects, calculate the total, average and grand and display the result.

Algorithm:-

1. Start the program
2. Define function calculate_result(m1,m2,m3) to
   calculate total = m1+m2+m3
   calculate Average = total/3
3. Define a function display_result to print results
4. Accept marks of 3 subjects from the user
5. calculate_result() and display_result() functions

program:-

```
def calculate_result(m1,m2,m3):
    total = m1+m2+m3
    average = total/3
    if average >=45:
        grade='A'
    elif average >=60:
        Grade='B'
    elif average >=40:
        grade='C'
    else
        grade="fail"
    return total,average,grade
print("\n Student Result...")
print(f"Total marks:{total}")
print(f"average marks:{average}")
print(f"grade:{grade}")
print("Student Result")
```

EX NO.	7
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	—
TOTAL (20)	15
SIGN WITH DATE	15/10/25

Result:-

Thus the Student Result calculator program executed successfully.

15/10/25

Output:-

Enter marks of subject 1: 80
Enter marks of subject 2 = 70
Enter marks of subject 3 = 90

Result:-

Total marks: 240.
average marks = 80
grade : A.