

(0) kil2, best oil brow : 6  
(1) kil2, (0) now1·brow - brow  
- (brow) part - brow  
1t(a,brow) too, - oil - brow

Output :-

Step 1 1. Deposit

2. Withdraw

3. Check Balance

4. Exit

Enter choice :-

Enter amount to deposit : 500

Deposited 500, 0, New Balance : 500.

Step 2 : 0

Enter tamount to withdraw : 200

withdrawn : 2000, Remaining Balance 300.

Step 3 .

Enter Choice: 4

Exiting Banking Statements .....

# 7. Utilizing 'functions' concept in python programming

## a) Banking Transaction System.

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

Algorithm:-

1. Start the program
2. Initialize the account balance to 0.
3. Define functions:
  - Deposit (amount) → add money to balance.
  - Withdraw (amount) → Subtract money if balance is sufficient
  - Check balance → display current balance.
4. Use a menu to allow the user to choose an operation.
5. Repeat until the user exist.
6. End the program.

Program:-

```

balance = 0
def deposit (amount):
    global balance
    balance += amount
    print (f"₹{amount}.New
Balance : ₹{balance}")
  
```

~~def withdraw (amount):~~

~~global balance~~

~~if amount <= balance;~~

~~balance = amount~~

~~print (f"withdrawn:{amount}").~~

```
Remaining Balance : ${balance})  
else:  
    Print ("Insufficient balance:")  
def Check_balance():  
    Print (f"Current Balance:  
${balance}")  
  
# main program  
while True:  
    Print ("In -- Banking System --")  
    Print ("1. Deposit")  
    Print ("2. withdraw")  
    Print ("3. Check Balance")  
    Print ("4. Exit")  
  
    choice = int (input ("Enter choice:"))  
  
    if choice == 1: amt = float (input ("Enter amount to deposit:"))  
        deposit (amt)  
    elif choice == 2:  
        atm = float (input ("Enter amount to withdraw:"))  
        withdraw (amt)  
    elif choice == 3:  
        Check_balance()  
    elif choice == 4:  
        Print ("Exiting Banking System...")  
        break  
    else:  
        Print ("Invalid Choice!")
```

Result:- ✓

The program successfully performs banking operations like deposit, withdraw, and checking balance using functions.

Output:-

DR //

Enter marks of Subject 1: 78

Enter marks of Subject 2: 85

Enter marks of Subject 3: 69

~~Total~~

7.2 You are tasked with creating a small calculator application to help user perform basic arithmetic operations and greet them with a personalized message. Your application should perform the following tasks:- add, Sub, mult, divis

Algorithm:-

- \* Start the program
- \* User Input for Operation: The program prompts the user to enter two numbers
- \* Perform Operation: Based on the user's choice, the program prompts the user to choose an arithmetic operation
- \* Display Result: The program displays the result of the operation
- \* Stop.

Program:-

```
def add(a,b):  
    """Return the sum of two numbers."  
    return a+b  
def subtract(a,b):  
    """Return the difference between two numbers."  
    return a-b  
def multiply(a,b):  
    """Return the product of two numbers".  
    return a*b  
def divide(a,b):  
    "Return the quotient of two numbers. Handles division by zero"  
    if b!=0:  
        return a/b  
    else:  
        return "Error: Division by zero"
```

```

def greet():
    # Demonstration the use of user-defined functions
    # Arithmetic Operations
    num1 = 10
    num2 = 5
    print("Arithmetic Operations:")
    print(f"Sum of {num1} and {num2}:", add(num1, num2))
    print(f"Difference between {num1} and {num2}:", subtract(num1, num2))
    print(f"Product of {num1} and {num2}:", multiply(num1, num2))
    print(f"Quotient of {num1} and {num2}:", divide(num1, num2))

    # Greeting the user
    user_name = 'Alice'
    print("\nGreeting:")
    print(greet(user_name))

    # Run the main function
    if __name__ == "__main__":

```

Result:- Thus, the python program using 'Functions' Concepts was successfully executed and the output was verified

16/10/25

VEL TECH	
EX NO.	
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	15
SIGN WITH DATE	16/10/25