

Date: 10/9/25

~~just 3.31 defining function creates Python Programming identifying transaction system.~~

Need to develop a python program ~~using class~~ functions, that simulates basic banking operations deposit, withdraw, and checking the account.

Algorithm:-

1. Initialize account balance to zero.
2. Define a function to deposit money which increases the balance.
3. Define a function to withdraw money, stating if the balance is sufficient.
4. Define a function to display the current balance.
5. Use menu - driven options to perform deposit, withdraw and balance check actions.

Code:-

balance = 0

def deposit(amount):

global balance

balance += amount

print("Deposited:", amount)

def withdraw(amount):

global balance

if amount <= balance:

balance -= amount

anticipate

Deposit 1,500

withdrawal 200

current Balance: 1300

insufficient Balance

current balance 1300

process of simulated banking at bank
Notes given to depositor of account & available
amount of simulated cash
available for withdrawal or credit and a
deposit from the e-simulated bank
Account with deposits & current & savings
accounts of savings money, money box &
notes at simulated bank works when deposited
and withdrawn

(random) length of time

selected total

randomly generated

(random) length of time

(random) number of days

Bank (checkbook account)
The bank maintains account balance
and check balance (0).
Bank (current account balance)
For example usage
deposit(500)
withdraw(200)
Bank - balance()
withdraw(100)
check - balance()



Result of program informs history transaction
using functions and maintains the account
balance accurately.

Student result calculator

Aim: To create a Python program using functions to accept marks of three subjects, calculate total average, grade and display.

Algorithm

1. Define a function to accept marks for three subjects.
2. Define a function to calculate the total and average.
3. Define a function to determine the grade (A/B/C/Fail) based on average.
4. Define a separate function to display the result.

Program :-

```
def accept_marks():
    m1 = int(input("Enter marks for subject 1:"))
    m2 = int(input("Enter marks for subject 2:"))
    m3 = int(input("Enter marks for subject 3:"))
    return m1, m2, m3

def calculate_result(m1, m2, m3):
    total = m1 + m2 + m3
    average = total / 3
    if average >= 75:
        grade = 'A'
    else if average >= 60:
        grade = 'B'
    else:
        grade = 'C'
```

Output

Enter marks for subject 1: 80

Enter marks for subject 2: 90

Enter marks for subject 3: 60

Total marks: 210

Average marks: 70.0

Grade: B

With completion of hypothesis
of bread is
placed of 1000 mark strong
Bread (1121-1818)
strong 1000
bread 1000

Established after 3 days
(including 2 days of labor) that a
(strength of strong bread) for 2000
(strength of other bread) for 2000
strong bread
comparing these 2 factors
concerning the
strength of bread

```

if    average >= 90
      grade = 'A'
else
      grade = 'Fail'
      return total, average, grade,
def display -> result (total marks:"), total)
      print ("Total marks:") , total)
      print ("Average marks:") , average)
      print ("Grade:", grade)
marks = accept -> marks()
total, average, grade = calculate -> result(marks)
display -> result(total, average, grade)

```

| VEL TECH | |
|-------------------------|----|
| EX No. | 7 |
| PERFORMANCE (5) | 5 |
| RESULT AND ANALYSIS (5) | 3 |
| VIVA VOCE (5) | 3 |
| RECORD (5) | 4 |
| TOTAL (20) | 15 |
| SIGN WITH DATE | |

Result - The program uses functions to process student mark and displays a result including total, average, and grade classification.