

# Core PHP

## Assessment Test

Write a program to demonstrate the bank management Console based application

Prepare demonstration of PHP bank management under software development principles and follow coding protocols

To implement application using of control statements as well as array list concept

In this application 2 modules involved (Banker, Customer)

Execution of the code following menu must be displayed.

Make sure each business logic is denoted with appropriate comments and make your code interactive and represent clean and clear output on your console screen.

```
WELCOME TO PYTHON BANK MANAGEMENT SYSTEM

Select your role

    1) Banker
    2) Customer
    3) Exit

choose your role :
```

When user select option 1 then accept following details from user

Banker can add customer, view customer, search customer, and view all customer and total amounts in bank

```
Welcome to Banker's App

Operations Menu

    1) Add Customer
    2) View Customer
    3) Search Customer
    4) View All Customer
    5) Total Amounts in Bank
```

## Use Functions concepts and modules – make programs more readable

### Store all transactions in dictionary

```
Enter operation which you want to perform : 1
Enter account no : 101
Enter customer name : Anjali Patel
Enter opening balance : 2000
Do you want to perform more operations press 'y' for yes and press 'n' for no : y
```

#### Operations Menu

- 1) Add Customer
- 2) View Customer
- 3) Search Customer
- 4) View All Customer
- 5) Total Amounts in Bank

```
choose your role : 1
Welcome to Banker's App
```

#### Operations Menu

- 1) Add Customer
- 2) View Customer
- 3) Search Customer
- 4) View All Customer
- 5) Total Amounts in Bank

```
Enter operation which you want to perform : █
```

### View All Customers:

#### Operations Menu

- 1) Add Customer
- 2) View Customer
- 3) Search Customer
- 4) View All Customer
- 5) Total Amounts in Bank

```
Enter operation which you want to perform : 2
{101: {'name': 'Anjali Patel', 'balance': 2000, 'Opening Date': '2022-07-27 22:26:51.381690'}, 102: {'name': 'Priya Patel', 'balance': 3500, 'Opening Date': '2022-07-27 22:26:51.381690'}}
```

### Customer's Menu as follows:

```
Welcome to Customer's App
```

#### Operations Menu

- 1) Withdraw Amount
- 2) Deposit Amount
- 3) View Balance

**Make sure this code implements using file handling concept**

**Create separate file for all business logics and make them reusable - use modules concepts for implements above logic**

**After each operations always display menu:**

**Make sure validation proper given – each options - display appropriate message if user enter invalid input and accept values again and - use looping concepts and string inbuilt methods concepts in this logic implementation**

**Make sure code prevent from unexpected exception return to the previous menu and accept all details again.**

**After entered notes output must be like following:.**

**After each selection menu must be displayed asking for user input**

**After execution of each option confirmation message must be displayed.**

**Program should not be terminated till the user Exit it**

**Developer needs to test his product before launching it into the market**

**after completion this project upload it on GitHub**

- **Upload all features in develop branch after completion all features merge it with main branch**