FIRST SEMESTER MCA (2020 SCHEME) PRACTICAL EXAMINATION JUNE - JULY 2021

20MCA131 PROGRAMMING LAB

Date : 02/07/2021

Time : 09.30 AM - 12.30 PM

Submitted By,

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Batch - 1

Set - B

Questions

1. Write a python program to create a string from given string where first and last characters exchanged.

2. Write a python Program to create a bank account with members account number, name, type of account and balance. Write Constructor and Methods to deposit at the bank and withdraw an amount from the bank.

Q1.

Algorithm

Step 1 - Start

Step 2 - Create a string str1

Step 3 - Read the input value from user and store it the string str1.

Step 4 - Then swapping first and last character.

```
str1[-1] + str1[1:-] + str1[0]
```

Step 5 - Stop.

Program

```
str1 = input("Enter a String:")
Print("String after swapping first and last
      character:", (str1[-1] + str1[1:-1] + str1[0]))
```

Predicted output

```
Enter a String : Programming
String after swapping first and last character
                : grogramming
```

---

output

```
Enter a String : python
String after swapping first and last character
                : nythop
```

Q2.

Algorithm

Step1- Start

Step2 - Create a class bank

Step3 - Using the parameters self, acnt, nam, type and amt

self.ac = acnt

self.name = nam

self.type = typ

self.amount = amt

Step 4 - The printamt Method using self parameter. It function is used to read the input from user. acnt name, Acnt num, acnt type and bal.

Step 5 - Then return amount (amount - wl).

Step6 - The object obj

obj = bank (a,n,t,am).

Print the bank details.

Step 7 - Stop.

Program

```
class bank();
  def __init__(self,acnt,nam,typ,amt);
      self.ac=acnt
      self.name=nam
      self.type=typ
      self.amount=amt
  def printamt(self):
      Print("acnt name:", self.name)
      Print("Acnt num:", self.ac)
      Print("acnt type:", self.type)
      Print("bal:", self.amount)
  def withl(self, wl):
      return(self.amount-wl)

n=input("Enter number:"))
am=int(input("Enter amt:"))
obj=bank(a,n,t,am)
Print("ACCOUNT DETAILS")
obj.printamt()
w=int(input("Enter amnt to withdraw:"))
Print("b1", obj.withl(w))

# PRINT()
```

Predicted Output

```
Enter name : Aami
Enter type : Self
Enter number : 1002
Enter amt : 100000

ACCOUNT DETAILS
acnt name : Aami
Acnt type : Self
bal : 100000
Enter amnt to withdraw : 53892
bl : 46108
```

---

output

```
Enter name : Arya
Enter type : Self
Enter number : 5098543
Enter amount : 70000

Account details
acnt name Ebin
acntnum . 5098543
acnt type : Self
bal : 70000
Enter amount to withdraw : 2000
b1 : 68000
```