

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

20MCA131 PROGRAMMING LAB

Regno: 1CE20MCA-2010

Time: 9:30-12:30

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.

Ans:-

1) Program & Algorithm

step 1 : start

step 2 : initialize a variable store (string[-1])

step 3 : Then we will use string[1:-1], this will access all the characters from the 2nd position excluding the last character.

step 4 : Then the new string that has the 1st and last characters swapped

step 5 : stop.

Program 1.1

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

Output 1:-

Enter a string : python

String after swapping first and last character
: nythop

Output 2:-

Enter a string : ~~python~~ program

String after swapping first and last character
: mrognarp

2) Program 2 : Algorithm

Step 1 : start

Step 2 : create a class, class name is bank

Step 3 : Initialize self, acnt, nam, typ

Step 4 : then print name, Bank type, account number, Details etc.

Step 5 : ~~also~~ set choice option which we select
It print deposit or withdraw.

Step 6 : stop

Program

```
class bank():
```

```
    def __init__(self, acnt, nam, typ):
```

```
        self.ac = acnt
```

```
        self.name = nam
```

```
        self.type = typ
```

```
        self.amount = 0
```

```
    def printamt(self):
```



```
print("Account Name", self.name)
print("Account Number =", self.ac)
print("Account Type =", self.type)
print("Balance =", self.amount)
```

```
def deposit(self, d1):
    self.amount = self.amount + d1
    return (self.amount)
```

```
def withl(self, w1):
    return (self.amount - w1)
```

```
n = input("Enter Name : ")
```

```
t = input("Enter Type: ")
```

```
a = int(input("Enter Account Number: "))
```

```
obj = bank(a, n, t)
```

```
print("Account Details")
```

```
obj.printamt()
```

```
while [True]:
```

```
    print("\n ***** Menu *****")
```

```
    print("\n 1. Deposit")
```

```
    print("\n 2. Withdraw")
```

```
    choice = int(input("Enter choice : "))
```

```
    if (Choice == 1):
```

```
        d = int(input("Enter Amount to deposit: "))
```



```

print("Balance Amount :", obj.deposit(d))
elif(choice == 2):
    w = int(input("Enter Amount to deposit withdraw"))
    if(w > d):
        print("Insufficient Balance")
    else:
        print("Balance Amount = ", obj.withd(w))
else:
    print("Enter a valid choice")

```

Output 1:-

```

Enter name : Aswathy Aswathy
Enter type : Savings
Enter Account Number : 000 987585
Account Details
Account Name Aswathy
Account number = 987585
Account type = Saving
Balance = 0

```

*** MENU ***

1. Deposit
2. Withdraw

Enter choice : 1

Enter Amount to deposit : 3000

Balance Amount : 3000

*** Menu ***

1. Deposit

2. Withdraw

Enter choice : 2

Enter amount to withdraw : 500

Balance Amount = 2500

*** Menu ***

1. Deposit

2. withdraw

Enter choice :

Output 2 :-

Enter Name : Anu

Enter Type : Savings

Enter Account number : 0009885432

Account Details

Account Name : Anu

Account Number = 9885432

Account type = Savings

Balance = 0.

* * * * Menu * * * *

1. Deposit.

2. Withdraw.

Enter choice = 1

Enter Amount to deposit : 2500

Balance Amount : 2500

* * * * Menu * * * *

1. Deposit.

2. Withdraw

Enter choice : 2

Enter amount to withdraw : 500

Balance amount : 2000