Name of Experiment: Write a test application named Account Test that demostrate the account capabilities creating 5 objects with construction.

Introduction:

We have to design a class prepresentating a bank account and are also have to write a test application to dimestrate the capabilities of the bank account chan using constructors.

Objection:-

- experiencing the object oruented approach of solving a problem
- · demonstrate différent aspects of object oriented programming.
- , how to construct and use object.
- how to define methods and call them.

Analysis: -

After analysing our problem we have to found following components of our problem to solve it.

'Class Account: this is the class that will prepresent a bank account

☐ Method:

· deposit : to deposit an amount

· With draw: to withdraw an amount

· show Balance: to display the name and balance

Data Members:-

· holder Name: a string representing the account

· ace Num: a storing gupgresenting the account

· ace Type : an integer representing the account

balance of the account

1 Methoda:

- · init : to assign intial values.
- · deposit: to deposit an amount
- · withdraw: to withdraw an amount
- . Show Balance: fo display the name and balance

Class Account Test: - this class will contain the main
I Methods:
· main: main method will use the Account class
to create objects and demostrate its
capabilities.
Account test 1 un 15 Account
W.
Design:
Account w.
- holder Nome: string
Lace Num: string
- ace Type: ent
- balance : double
+ init (n: string, num: storing, type: int, amount: double):
+ deposit (amount: double): void
+ withdraw (amount: double): void
+ show Balance (): Vaid
Col .
Account Test
+main (args: string [1): void

```
Account ():
 // defoult initialize every data member
Account (m: storing, num: storing, type: int, amount: double);
   // parameterized constructors
      holder Name = n
     Olec Num = num
     are Type = type
     balance = amount
deposit (amount: double):
  Il deposit amount and add that to the essiting balance
     balance + = amount
  withdraw (amount: double):
    Maithbrow specific amount if available
    if amount greater than balance!
     print eron message
      balance = balance - amount
      print new balance after withdrawl
     // show the available balance
   Show Balance ():
```

print account holder name and available balance main (args: string []): 11 create 5 Account clan object and show capabilities Oreate 5 Account class object show method calls Implementation: Class Account ? private storing holder Norme; private string are Dum; private intace Type; private double balance; Account () { Account (string name, string num, int type, double mound) = nami holder Name = nun; ace Dum = type; acc Type = amount; balance

class Account Test } public static void main (storing [] args) } Account () accounts = new Account (5); accounds [0] = new Account ("Gravery Kapparon", 123abe", 1,500) accounts [1] = new Account ("Mongues Carben", 13 abril", 1, 4500); accounts [2] = new Account ("Bobby Fisher", 12cbe, 5, 4399); accounts [3] = new Account ("Hiking Nahamara," 123 Kbf "O, 4 mo); accounts [4] = new Account ("Visili Amend" 456des", 0, 4500); accounts [2]. deposit (5000); accounts [1], with draw (55555), accounts [1]. show Balance (); Canclusion: -From a test program we get Your new balance after withdream; 8949.45 Name: Maggius Carlen Balance: 8944.45