**PRACTICAL EXAM**

**Q1)**

**Program code:**

public class Main

{

public static void main(String[] args) {

A a = new A(70, 50, 100);

System.out.println(a.getPercentage());

B b = new B(90, 75, 64, 86);

System.out.println(b.getPercentage());

}

}

abstract class Marks {

public abstract float getPercentage();

}

class A extends Marks{

int marks1, marks2, marks3;

A(int m1, int m2, int m3){

marks1=m1;

marks2=m2;

marks3=m3;

}

public float getPercentage(){

float total=((marks1+marks2+marks3)/(float)300)\*100;

return total;

}

}

class B extends Marks{

int marks1, marks2, marks3, marks4;

B(int m1, int m2, int m3, int m4){

marks1=m1;

marks2=m2;

marks3=m3;

marks4=m4;

}

public float getPercentage(){

float total=((marks1+marks2+marks3+marks4)/(float)400)\*100;

return total;

}

}

**Output:**

****

**Q.2)**

Program code:

import java.util.Scanner;

class BankAccount{

static int i=-1;

String d\_name;

String d\_add;

String t\_acc;

int balance;

int no\_tran;

String B\_ID;

Scanner scan = new Scanner(System.in);

BankAccount(String d\_name,String d\_add,String t\_acc,int balance,int no\_tran){

this.d\_name=d\_name;

this.d\_add=d\_add;

this.t\_acc=t\_acc;

this.balance=balance;

this.no\_tran=no\_tran;

}

void bankId(){

i++;

B\_ID = "BA100"+i;

System.out.println(B\_ID);

}

void depShow(){

System.out.println(" DEPOSITOR'S BALANCE : "+balance);

}

void addDep(){

System.out.println(" ENTER NUMBER YOU WANT TO ADD : ");

int add = scan.nextInt();

balance = balance + add;

depShow();

}

void changeAdd(){

d\_add= scan.next();

}

void wid(){

System.out.println(" ENTER NUMBER YOU WANT TO TAKE : ");

int wid = scan.nextInt();

balance = balance - wid;

depShow();

}

void showInfo(){

System.out.println(" NAME OF DEPOSITOR : " + d\_name);

System.out.println(" BANK ID : " + B\_ID);

System.out.println(" ADDRESS OF DEPOSITOR : " + d\_add);

System.out.println(" TYPE OF ACC : " + t\_acc);

depShow();

}

}

public class Bank {

public static void main(String[] args) {

BankAccount b1 = new BankAccount("Mihir","VADODARA","PRIVATE",90000,500);

int ch=1;

Scanner scan = new Scanner(System.in);

while (ch!=0){

System.out.println("\n\n1. DISPLAY INFORMATION AND BALANCE");

System.out.println("2. DEPOSIT MORE AMOUNT");

System.out.println("3. WITHDRAW AMOUNT");

System.out.println("4. CHANGE ADDRESS");

System.out.println("0. EXIT");

System.out.println("ENTER CHOISE :");

ch=scan.nextInt();

switch (ch){

case 1 : b1.showInfo(); break;

case 2 : b1.addDep(); break;

case 3 : b1.wid(); break;

case 4 : b1.changeAdd(); break;

}

}

}

}

**OUTPUT:**

