

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:**Result**

CPU Time: 0.13 sec(s), Memory: 30588 kilobyte(s)

```
73.333336  
78.75
```

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:

```
"C:\Program Files\Java\jdk-16\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.1.2\lib\idea_rt.jar=56761:C:\Progrn

1. DISPLAY INFORMATION AND BALANCE
2. DEPOSIT MORE AMOUNT
3. WITHDRAW AMOUNT
4. CHANGE ADDRESS
0. EXIT
ENTER CHOISE :
1
NAME OF DEPOSITOR : Mihir
BANK ID : null
ADDRESS OF DEPOSITOR : VADODARA
TYPE OF ACC : PRIVATE
DEPOSITOR'S BALANCE : 90000

1. DISPLAY INFORMATION AND BALANCE
2. DEPOSIT MORE AMOUNT
3. WITHDRAW AMOUNT
4. CHANGE ADDRESS
0. EXIT
ENTER CHOISE :
2
ENTER NUMBER YOU WANT TO ADD :
```