# 1:Revise Concepts

2:Create Date Class with Data Members day,month, year

2.1:Create an object and initialize it using setDate methods and display it using

displayDate methods.

**import** java.util.Scanner;

**class** Date {

**private** **int** day;

**private** **int** month;

**private** **int** year;

**public** **void** setDate(**int** day , **int** month , **int** year) {

**this**.day = day;

**this**.month = month;

**this**.year = year;

}

**public** **void** displayDate() {

System.***out***.println("DAY : " + day);

System.***out***.println("month : " + month);

System.***out***.println("year : " + year);

}

}

**public** **class** Day1\_Java {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter day month year");

**int** day = sc.nextInt();

**int** month = sc.nextInt();

**int** year = sc.nextInt();

Date d = **new** Date();

d.setDate(day, month, year);

d.displayDate();

}

}

Enter day month year

12 05 1998

DAY : 12

month : 5

year : 1998

**3:Create Student Class with RollNo,name,totalMarks and Grade**

**.Create an object and initialize it using assignStud method and print it using**

**printStud method. Create Object of the student and call Methods**

**import** java.util.Scanner;

**class** Student {

**private** **int** RollNo;

**private** String name;

**private** **int** totalMarks;

**private** String Grade;

**public** **void** assignStud(**int** RollNo , String name , **int** totalMarks) {

**this**.RollNo = RollNo;

**this**.name = name;

**this**.totalMarks = totalMarks;

**if**(totalMarks >= 90) {

Grade = "A+";

}**else** **if**(totalMarks >= 75) {

Grade = "A";

}**else** **if**(totalMarks >= 55) {

Grade = "B";

}**else** **if**(totalMarks >= 35) {

Grade = "C";

}**else** {

Grade="FAIL";

}

}

**public** **void** printStud() {

System.***out***.println("RollNo : " + RollNo);

System.***out***.println("name : " + name);

System.***out***.println("totalMarks : " + totalMarks);

System.***out***.println("Grade : " + Grade);

}

}

**public** **class** Day1\_Java {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter RollNo name totalmarks");

**int** RollNo = sc.nextInt();

String name = sc.next();

**int** totalmarks = sc.nextInt();

Student d = **new** Student();

d.assignStud(RollNo, name, totalmarks);

d.printStud();

}

}

Enter RollNo name totalmarks

101 name1 270

RollNo : 101

name : name1

totalMarks : 270

Grade : A+

**4:Create java application for bank account handling.**

**4.1. Create a class BankAccount -- acct no(int),customer name(string),balance(double)**

**constr to accept all details**

**4.2 Add Business logic methods**

**Methods**

**public void withdraw(double amt)**

**public void deposit(double amt)**

**4.3:Create TestAccount class...Create object of account class and test withdraw and deposit methods.**

**import** java.util.Scanner;

**class** BankAccount {

**private** **int** acct\_no;

**private** String customer\_name;

**private** **double** balance = 0;

**private** String constr;

**public** **void** setValues(**int** acct\_no , String customer\_name , **double** balance , String detl) {

**this**.acct\_no = acct\_no;

**this**.customer\_name = customer\_name;

**this**.balance = balance;

**this**.constr = detl;

}

**public** **void** withdraw(**double** amt) {

**if**(balance >= amt ) {

balance-=amt;

System.***out***.println("Amount is Withdrawn" + amt);

}**else** {

System.***out***.println("Insuffcient Balance");

}

}

**public** **void** deposit(**double** amt) {

balance+=amt;

System.***out***.println(amt+" is Deposited!");

}

**public** **void** display\_bal() {

System.***out***.println("Balance : " + balance);

}

}

**public** **class** **TestAccount** {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter acct\_no customer\_name balance details");

**int** acct\_no = sc.nextInt();

String customer\_name = sc.next();

**int** balance = sc.nextInt();

String details = sc.next();

BankAccount d = **new** BankAccount();

d.setValues(acct\_no, customer\_name, balance , details);

System.***out***.println("Enter deposit amt");

balance = sc.nextInt();

d.deposit(balance);

d.display\_bal();

System.***out***.println("Enter withdraw amt");

balance = sc.nextInt();

d.withdraw(balance);

d.display\_bal();

}

}

Enter acct\_no customer\_name balance details

101 name1 1000 new22

Enter deposit amt

1000

1000.0 is Deposited!

Balance : 2000.0

Enter withdraw amt

1200

Amount is Withdrawn1200.0

Balance : 800.0