import java.util.Scanner;

class BankAcc{

int accNumber;

String name, address, accType;

double accBal;

static int count = 0;

BankAcc(){

accNumber = ++count;

Scanner in = new Scanner(System.in);

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

name = in.nextLine();

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

address = in.nextLine();

System.out.println("ENTER ACC TYPE: ");

accType = in.nextLine();

System.out.println("ENTER ACC BALANCE: ");

accBal = in.nextDouble();

}

BankAcc(String name, String address, String accType, double accBal){

accNumber = ++count;

this.name = name;

this.address = address;

this.accType = accType;

this.accBal = accBal;

}

void computeInterest(int time){

double interest;

if("sb".equals(accType)){

interest = 0.05 \* accBal \* time;

System.out.println("INTEREST EARNED for SB account is "+ interest);

}

else if ("rd".equals(accType)){

interest = 0.063 \* accBal \* time;

System.out.println("INTEREST EARNED for RD account is "+ interest);

}

else if ("fd".equals(accType)){

interest = 0.0765 \* accBal \* time;

System.out.println("INTEREST EARNED for FD account is "+ interest);

}

else

System.out.println("Invalid account type");

}

void deposit(double amount){

accBal = accBal + amount;

System.out.println("ACC BALANCE IS "+ accBal);

}

void withdraw(double amount){

if((accBal-amount)<1000)

System.out.println("INSUFFICIENT BALANCE!!!!");

else

{

accBal = accBal - amount;

System.out.println("ACC BALANCE IS "+ accBal);

}

}

}

public class TW3 {

public static void main(String[] args){

BankAcc b1 = new BankAcc();

BankAcc b2 = new BankAcc("Namitha","xyz","fd",20000);

BankAcc b3 = new BankAcc();

b1.computeInterest(1);

b2.computeInterest(1);

b3.computeInterest(1);

b1.deposit(500);

b1.withdraw(1500);

b2.deposit(10000);

b2.withdraw(1000);

b3.deposit(2000);

b3.withdraw(3000);

}

}