**JAVA ASSIGNMENT (ATM MACHINE) :**

**package** assign1;

**import** java.util.\*;

**public** **class** AtmAssign

{

**int** amt,total=0;

**int** two\_thousands;

**int** five\_hundreds;

**int** hundred;

String a[]= {"101","102","103","104","105"};

String b[]= {"Suresh","Ganesh","Magesh","Naresh","Harish"};

String c[]= {"2343","5432","7854","2345","1907"};

**int** d[]= {25234,34123,26100,80000,103400};

**public** **void** loadcash()

{

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

System.***out***.println("Enter number of two thousands :");

two\_thousands=sc.nextInt();

System.***out***.println("Enter number of five\_hundreds :");

five\_hundreds=sc.nextInt();

System.***out***.println("Enter number of hundreds :");

hundred=sc.nextInt();

total=(2000\*two\_thousands)+(500\*five\_hundreds)+(100\*hundred);

System.***out***.println("-------------------------------------------");

System.***out***.println("| Denomination |"+" "+" Number|"+" "+" Value |");

System.***out***.println("-------------------------------------------");

System.***out***.println("| 2000 |"+" "+two\_thousands+" | "+(2000\*two\_thousands+" |"));

System.***out***.println("| 500 |"+" "+five\_hundreds+" | "+(500\*five\_hundreds+" |"));

System.***out***.println("| 100 |"+" "+hundred+" | "+(100\*hundred+" |"));

System.***out***.println("-------------------------------------------");

System.***out***.println("Total cash available:"+total);

System.***out***.println("-------------------------------------------");

}

**public** **void** custdetails()

{

String a[]= {"101","102","103","104","105"};

String b[]= {"Suresh","Ramesh","Ganesh","Mahesh","Harish"};

String c[]= {"1234","5","5675","5879","5887"};

**int** d[]= {34565,65474,67657,8768,78989};

**for**(**int** i=0;i<5;i++)

{

System.***out***.println(a[i]+" "+b[i]+" "+c[i]+" "+d[i]);

}

}

**public** **void** operations()

{

**int** ch;

**do**

{

System.***out***.println("-------------------------------------------");

System.***out***.println("1.Check Balance");

System.***out***.println("2.Withdraw Money");

System.***out***.println("3.Transfer Money");

System.***out***.println("4.Check ATM Balance");

System.***out***.println("-------------------------------------------");

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

ch=sc.nextInt();

**switch**(ch)

{

**case** 1:

{

String n=sc.next();

String p=sc.next();

**for**(**int** i=0;i<5;i++)

{

**if**(a[i].equals(n)&&c[i].equals(p))

{

System.***out***.println(d[i]);

}

}

**break**;

}

**case** 2:

{

**int** i;

String n=sc.next();

String p=sc.next();

**for**( i=0;i<5;i++)

{

**if**(a[i].equals(n)&&c[i].equals(p))

{

System.***out***.println("Enter the amount to be withdrawal:");

amt=sc.nextInt();

**if**(amt<=d[i])

{

System.***out***.println("please take your Money!!!");

d[i]-=amt;

}

**else**

System.***out***.println("Withdrawal failed!!!");

}

}

**break**;

}

**case** 3:

{

System.***out***.println("Enter the account no of the sender:");

String ac\_n=sc.next();

System.***out***.println("Enter the pin number of the sender:");

String p\_n=sc.next();

System.***out***.println("Enter the of the account no of the receiver:");

String ac\_n1=sc.next();

System.***out***.println("Enter the amount to be transfer:");

**int** amt1=sc.nextInt();

**for**(**int** i=0;i<5;i++)

{

**if**(a[i].equals(ac\_n)&&c[i].equals(p\_n))

{

**if**((amt1<=d[i])&&(amt1>1000&&amt1<10000))

{

System.***out***.println("Transaction Successfull!!!");

}

**else**

{

System.***out***.println("Transaction failed!!!");

}

}

}

**int** i;

**for**(i=0;i<5;i++)

{

**if**(a[i].equals(ac\_n1))

{

d[i]+=amt1;

}

}

**for**(i=0;i<5;i++)

{

**if**(a[i].equals(ac\_n))

{

d[i]-=amt1;

}

}

**break**;

}

**case** 4:

{

**int** total1=total-amt;

// total1=(2000\*two\_thousands)+(500\*five\_hundreds)+(100\*hundred);

two\_thousands -= amt/2000;

amt -= amt/2000;

five\_hundreds -= amt/1000;

amt -= amt/1000;

hundred -= amt/100;

amt -= 100;

System.***out***.println("Denomination"+" "+"Number"+" "+"Value");

System.***out***.println("2000"+" "+two\_thousands+" "+(2000\*two\_thousands));

System.***out***.println("500"+" "+five\_hundreds+" "+(500\*five\_hundreds));

System.***out***.println("100"+" "+hundred+" "+(100\*hundred));

System.***out***.println("Total cash available:"+total1);

}

}

}**while**(ch!=4);

}

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

{

AtmAssign atm=**new** AtmAssign();

atm.loadcash();

atm.custdetails();

atm.operations();

}

}