**Assignment 13: HASHMAP**

**1.Grade Calculator**

**import** java.util.HashMap;

**import** java.util.Map;

**import** java.util.Set;

**public** **class** UserMainCode {

**static** HashMap<String,String> calculateGrade(HashMap<String,Float> student)

{

HashMap<String,String> map=**new** HashMap<String,String>();

Set<Map.Entry<String,Float>> set=student.entrySet();

**for**(Map.Entry<String,Float> st: set)

{

**if**(st.getValue()>=60)

{

map.put(st.getKey(),"PASS");

}

**else**

{

map.put(st.getKey(), "FAIL");

}

}

**return** map;

}

}

**import** java.util.HashMap;

**import** java.util.Scanner;

**public** **class** Main {

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

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

String name;

**float** mark;

HashMap<String,Float> student=**new** HashMap<String,Float>();

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

System.***out***.println("Enter no of students");

**int** n=scan.nextInt();

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

{

System.***out***.println("Enter Name");

name=scan.next();

System.***out***.println("Enter mark");

mark=scan.nextFloat();

student.put(name, mark);

}

System.***out***.println(UserMainCode.*calculateGrade*(student));

}

}

**Output:**

Enter no of students

3

Enter Name

Sam

Enter mark

50

Enter Name

Jhon

Enter mark

90

Enter Name

Karan

Enter mark

20

{Karan=FAIL, Sam=FAIL, Jhon=PASS}