Problem 10

package Assign;

class Student{

String name;

int score[];

String status;

public Student(String name,int[] score){

this.name=name;

this.score=score;

}

}

class Validator{

public String validateScore(Student s) throws Exception{

if(s.score.length==0 && s.score.length<=100 ){

throw new InvalidScoreException ("Invalid score");

}

else{

return " valid score ";

}

}

public double getPercentage(Student s){

double percentage;

double sum = 0;

int i;

for (i = 0; i < s.score.length; i++) {

sum += s.score[i];

}

percentage =sum/s.score.length;

if(percentage>=33) {

return percentage;

}

else

return 0.0;

}

class InvalidScoreException extends Exception{

public InvalidScoreException(String msg){

super(msg);

}

}

public class assign10 {

public static void main(String args[]) throws Exception{

int score[] = {50,40,80,67,69};

Student s = new Student("Aman",score);

Validator val = new Validator();

String ans = val.validateScore(s);

double per = val.getPercentage(s);

System.out.println("ans ="+ans);

System.out.println("per ="+per);

}

}

}