**package** a;

**public** **class** Triangle {

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

**int** n = 10;

**int**[][] triangle = **new** **int**[n][];

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

triangle[i] = **new** **int**[i + 1];

triangle[i][0] = 1;

triangle[i][i] = 1;

**for** (**int** j = 1; j < i; j++) {

triangle[i][j] = triangle[i - 1][j - 1] + triangle[i - 1][j];

}

}

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

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

System.***out***.print(" ");

}

**for** (**int** j = 0; j <= i; j++) {

System.***out***.printf("%4d", triangle[i][j]);

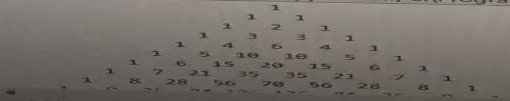
}

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

}

}

}



**package** a;

**public** **class** arrayTest {

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

**double**[] numbers = {1.3, 5.5, 9.8, 0.4, 6.6};

**double** max = 0.0;

**double** min = 0.0;

**double** sum = 0.0;

**for** (**double** num : numbers) {

**if** (num > max) {

max = num;

}

**if** (num < min) {

min = num;

}

sum += num;

}

**double** average = sum / numbers.length;

System.***out***.println("数组中的最大值: " + max);

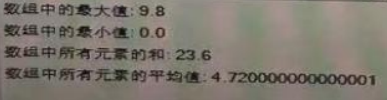
System.***out***.println("数组中的最小值: " + min);

System.***out***.println("数组中所有元素的和: " + sum);

System.***out***.println("数组中所有元素的平均值: " + average);

}

}



**package** a;

**public** **class** Student {

**private** String name;

**private** String studentID;

**private** **int** grade;

**public** Student(String name, String studentId, **int** grade) {

**this**.name = name;

**this**.studentID = studentId;

**this**.grade = grade;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getStudentId() {

**return** studentID;

}

**public** **void** setStudentId(String studentId) {

**this**.studentID = studentId;

}

**public** **int** getGrade() {

**return** grade;

}

**public** **void** setGrade(**int** grade) {

**this**.grade = grade;

}

}

**package** a;

**public** **class** Task3 {

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

Student[] students=**new** Student[5];

students[0]=**new** Student("a","1",1);

students[1]=**new** Student("b","2",3);

students[2]=**new** Student("c","3",4);

students[3]=**new** Student("d","4",3);

students[4]=**new** Student("e","5",2);

System.***out***.println(students[0].getName());

**for** (Student student:students) {

**if**(student.getGrade()==3) {

System.***out***.println("姓名"+student.getName()+" 学号"+student.getStudentId());

}

}

}

}