// Belongs TO 17H3 黄平川；

1. Given the values of three variables a, b and c, compute and display the value of x, where



Execute your program for the following values:

1. a=250, b=85, c=25
2. a=300, b=70, c=70

**import** java.util.Scanner;

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

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

**double** a=0,b=0,c=0;

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

a=in.nextDouble();

b=in.nextDouble();

c=in.nextDouble();

System.***out***.println(a/(b+c));

}

}

1. Relationship between Celsius and Fahrenheit is governed by the formula



Write some statements to convert the temperature

**import** java.util.Scanner;

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

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

**double** centigrade=0,fahrenheit=0;

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

centigrade = in.nextDouble();

fahrenheit = centigrade\*9/5+32;

System.***out***.printf("%.2f\n",fahrenheit);

}

}

1. Area of a triangle is given by the formula



Where a, b and c are sides of the triangle and 2s=a+b+c.

Compute the area of the triangle given the values a, b and c

**import** java.util.Scanner;

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

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

**double** a = 0, b = 0, c = 0;

**double** s = 0, area = 0;

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

a=in.nextDouble();

b=in.nextDouble();

c=in.nextDouble();

s=(a+b+c)/2;

area=Math.*sqrt*(s\*(s-a)\*(s-b)\*(s-c));

System.***out***.printf("%.2f", area);

}

}

1. Given a 4-digit integer number, displays the number as follows:

First line: all digits

Second line: all except first digit

Third line: all except first two digit

……

Last line: the last digit

For example, the given number 1234 will be display as:

1234

234

34

4

**import** java.util.Scanner;

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

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

**int** number=0;

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

number = in.nextInt();

**int** cnt = 0;

**for**(**int** \_number=number;\_number>0;cnt++)

{

\_number/=10;

}

**for**(**int** divisor=(**int**)Math.*pow*(10, cnt), i=0;i<cnt;divisor/=10,i++)

{

// System.out.println(divisor);

System.***out***.println(number%divisor);

}

}

}