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COSC 117

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1. WANT Maximum and Minimum numbers

HOW: Pass down max and min through the numbers

NEED: User input of 4 numbers

Output

-1

Input number 1: 78

Input number 2: 323

Input number 3: 4

Input number 4: 5

Maximum = 323.0

Minimum = 4.0

-2

Input number 1: 45

Input number 2: 88

Input number 3: 78

Input number 4: 66

Maximum = 88.0

Minimum = 45.0

-3

Input number 1: 48

Input number 2: 94

Input number 3: 46

Input number 4: 100

Maximum = 100.0

Minimum = 46.0

1. WANT: Dice rolls of the d and d dice

HOW: random functions

NEED: number of sides on the dice

Output

-1

Die 1: 4

Die 2: 1

Die 3: 2

Die 4: 9

Die 5: 5

-2

Die 1: 2

Die 2: 1

Die 3: 3

Die 4: 1

Die 5: 10

-3

Die 1: 1

Die 2: 5

Die 3: 7

Die 4: 4

Die 5: 1

1. WANT: Area of trapezoid

HOW: m\* average of both bases

NEED: length of both sides and the height

Output

-1

Input one side length: 6

Input the other side length: 8

Input the height: 4

Area = 28.0

-2

Input one side length: 7

Input the other side length: 8

Input the height: 5

Area = 37.5

-3

Input one side length: 9

Input the other side length: 8

Input the height: 7

Area = 59.5

1. WANT: Black Jack hands for 2 players

HOW: Random functions

NEED: Card values

Output

-1

Player 1

Card 1: 6 of 2

Card 2: 10 of 4

Player 2

Card 1: 9 of 3

Card 2: 13 of 4

-2

Player 1

Card 1: 11 of 4

Card 2: 1 of 4

Player 2

Card 1: 5 of 3

Card 2: 5 of 4

-3

Player 1

Card 1: 6 of 3

Card 2: 9 of 3

Player 2

Card 1: 3 of 2

Card 2: 13 of 3

1. EC

WANT: Area and perimeter of octagon

HOW: Formula to convert

NEED: Number input and the formula

Output

-1

Input r:

16

Area = 724.0773439350246

Perimeter = 97.96695868546297

-2

Input r:

9

Area = 229.1025971044414

Perimeter = 55.10641426057292

-3

Input r:

16

Area = 724.0773439350246

Perimeter = 97.96695868546297