CMPT 120 2015-1

Author and Instructor Diana Cukierman

DIAMOND TREASURE HUNTER

SAMPLE RUN

>>> =============================== RESTART ================================

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 Welcome to the "Diamond Treasure Hunter" game

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Would you like to play? (y/n): y

  One more game...

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Name of treasure hunter: Jones

Size of board (between 3 and 6 inclusive): 3

Creation of board? (r-random, u-user): u

Provide a list of lists, same number of rows and columns

 with integer numbers between 0 and 10 inclusive

and maybe one -1 ==> [[1,4,3],[0,2,5],[8,3,0]]

The board is

	Col 0	Col 1	Col 2
Row 0	1	4	3
Row 1	0	2	5
Row 2	8	3	0

How would you want that Jones travels?:

r - row

c - col

m - main diagonal

s - secondary diagonal

x - random   : r

Number row (0 to 2): 1

positions visited: ...

 [1][0]

 [1][1]

 [1][2]

points obtained in this trip:... 6

Board after trip

	Col 0	Col 1	Col 2

	Col 0	Col 1	Col 2
Row 0	1	4	3
Row 1	0	1	0
Row 2	8	3	0

Would you like Jones to do another trip? (y/n): y

The board is

	Col 0	Col 1	Col 2
Row 0	1	4	3
Row 1	0	1	0
Row 2	8	3	0

How would you want that Jones travels?:

r - row

c - col

m - main diagonal

s - secondary diagonal

x - random   : c

Number column (0 to 2): 12

That is not a valid input, please re-enter

Number column (0 to 2): a

The value should only have digits, please re-enter

Number column (0 to 2): !@

The value should only have digits, please re-enter

Number column (0 to 2): 1

positions visited: ...

 [0][1]

 [1][1]

 [2][1]

points obtained in this trip:... 6

Board after trip

	Col 0	Col 1	Col 2
Row 0	1	2	3
Row 1	0	0	0
Row 2	8	0	0

Would you like Jones to do another trip? (y/n): y

The board is

	Col 0	Col 1	Col 2
Row 0	1	2	3
Row 1	0	0	0
Row 2	8	0	0

How would you want that Jones travels?:

r - row

c - col

m - main diagonal

s - secondary diagonal

x - random   : x

How many random cells shall Jones visit?: 2

positions visited: ...

 [0][2]

 [0][1]

points obtained in this trip:... 4

Board after trip

	Col 0	Col 1	Col 2
Row 0	1	1	0
Row 1	0	0	0
Row 2	8	0	0

Would you like Jones to do another trip? (y/n): n

The treasure hunter Jones obtained 16 points in its game

The values of each row in the board (as binary number) are:

6, 0, 0, and therefore the board lucky number is: 6

Would you like to play again? (y/n): y

 One more game...

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Name of treasure hunter: Indi

Size of board (between 3 and 6 inclusive): 4

Creation of board? (r-random, u-user): r

Maximum number diamonds in a cell (from 1 to 10): 8

The board is

               Col 0   Col 1   Col 2   Col 3

	Col 0	Col 1	Col 2	Col 3
Row 0	3	0	1	2
Row 1	-1	6	2	0
Row 2	4	6	2	4
Row 3	2	0	5	4

How would you want that Indi travels?:

r - row

c - col

m - main diagonal

s - secondary diagonal

x - random   : m

positions visited: ...

 [0][0]

 [1][1]

 [2][2]

 [3][3]

points obtained in this trip:... 9

Board after trip

	Col 0	Col 1	Col 2	Col 3
Row 0	0	0	1	2
Row 1	-1	3	2	0
Row 2	4	6	1	4
Row 3	2	0	5	2

Would you like Indi to do another trip? (y/n): s

That is not a valid input, please re-enter

Would you like Indi to do another trip? (y/n): y

The board is

	Col 0	Col 1	Col 2	Col 3
Row 0	0	0	1	2
Row 1	-1	3	2	0
Row 2	4	6	1	4
Row 3	2	0	5	2

How would you want that Indi travels?:

r - row

c - col

m - main diagonal

s - secondary diagonal

x - random   : s

positions visited: ...

[0][3]

[1][2]

[2][1]

[3][0]

points obtained in this trip:... 6

Board after trip

	Col 0	Col 1	Col 2	Col 3
Row 0	0	0	1	1
Row 1	-1	3	1	0
Row 2	4	3	1	4
Row 3	1	0	5	2

Would you like Indi to do another trip? (y/n): r

That is not a valid input, please re-enter

Would you like Indi to do another trip? (y/n): y

The board is

	Col 0	Col 1	Col 2	Col 3
Row 0	0	0	1	1

Row 1	-1	3	1	0
Row 2	4	3	1	4
Row 3	1	0	5	2

How would you want that Indi travels?:

r - row

c - col

m - main diagonal

s - secondary diagonal

x - random   : c

Number column (0 to 3): 2

positions visited: ...

 [0][2]

 [1][2]

 [2][2]

 [3][2]

points obtained in this trip:... 8

Board after trip

	Col 0	Col 1	Col 2	Col 3
Row 0	0	0	0	1
Row 1	-1	3	0	0
Row 2	4	3	0	4

Row 3   1   0   0   2

Would you like Indi to do another trip? (y/n): n

The treasure hunter Indi obtained 23 points in its game

The values of each row in the board (as binary number) are:

1, 12, 4, 8, and therefore the board lucky number is: 25

Would you like to play again? (y/n): n

Total hunters that played: 2

Total points of all hunters: 39

Maximum hunter points:

  The hunter Indi, who is fine,

  got the maximum points: 23

Minimum lucky number:

  The board with the hunter Jones, who is fine,

  got the minimum lucky number: 6

Bye

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