SCHOOL OF COMPUTER SCIENCE

[User:a1779153 - Student - Vandit Jyotindra Gajjar][Sun 05 Apr 2020 07:17:45am Australia/Adelaide]

Navigation	Make Submission	View Feedback	Status	Help

Selected Assignment -> 2020/Semester 1/Artificial Intelligence/Assignment 1 Section 1 (UG & PG)

Assignment Repository to be Submitted:

https://version-control.adelaide.edu.au/svn/a1779153/2020/s1/ai/Assignment1

Choose a submission from the "Submission" column to view the test script output and any associated marks. The selected "Submission" item is highlighted in **red**. If available, "Helpful Hints" or "Feedback" can be chosen too. All the items in the "Submission" column are listed with the most recent first. If the assignment deadline is known to the Web Submission system, this will be indicated in the Submissions column too.

Submission	Feedback
-----Due Date----- **Mar 24 15:44 r239(60)** Mar 24 15:35 r238(50) Mar 24 15:30 r237(20) Mar 24 08:52 r233(30) Mar 24 08:48 r232(0) Mar 24 08:47 r231(0) Mar 24 08:46 r230(0) Mar 24 08:43 r229(0) Mar 24 08:41 r228(0) Mar 24 08:40 r227(0) Mar 24 08:36 r226(30) Mar 24 07:55 r225(30) Mar 20 06:19 r219(0)	**Due Date:** Mar 31 00:15 **Provisional Assignment Mark: 60** View Feedback in the Practical Marker **Assignment Repository Submitted:** https://version-control.adelaide.edu.au/svn/a1779153/2020/s1/ai/Assignment1/?p=239 **Submitted:** Mar 24 15:44.42 **Status: Finished execution**

Marks at: Mar 24 15:44.42

Part	Marks	Maximum
	60	
Total Marks	60	60

Output at: Mar 24 15:44.42

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SVN Exported revision 239.

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Section 1 (UG & PG) - Pathfinding using search methods
60 marks (15% for undergrads, 12% for postgrads)
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
you submitted pathfinder.py...
compiling your program...
--- TEST 1 ---
testing with map01
10 10
1 1
10 10
1 1 1 1 1 1 4 7 8 X
1 1 1 1 1 1 1 5 8 8
1 1 1 1 1 1 1 4 6 7
1 1 1 1 X 1 1 1 1 6
1 1 1 1 X 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
6 1 1 1 X 1 1 1 1 1
7 7 1 X X X 1 1 1 1
8 8 1 1 1 1 1 1 1 1
X 8 7 1 1 1 1 1 1 1
$ python pathfinder.py map01 bfs
your output:
* 1 1 1 1 1 4 7 8 X
* 1 1 1 1 1 1 5 8 8
* 1 1 1 1 1 1 4 6 7
* 1 1 1 X 1 1 1 1 6
* 1 1 1 X 1 1 1 1 1
* 1 1 1 1 1 1 1 1 1
* 1 1 1 X 1 1 1 1 1
* 7 1 X X X 1 1 1 1
* * 1 1 1 1 1 1 1 1
X * * * * * * * * *
expected output:
* 1 1 1 1 1 4 7 8 X
* 1 1 1 1 1 1 5 8 8
* 1 1 1 1 1 1 4 6 7
* 1 1 1 X 1 1 1 1 6
* 1 1 1 X 1 1 1 1 1
* 1 1 1 1 1 1 1 1 1
* 1 1 1 X 1 1 1 1 1
* 7 1 X X X 1 1 1 1
* * 1 1 1 1 1 1 1 1
X * * * * * * * * *
comparing outputs...
pass
--- TEST 2 ---
testing with map01
10 10
1 1
10 10
1 1 1 1 1 1 4 7 8 X
1 1 1 1 1 1 1 5 8 8
1 1 1 1 1 1 1 4 6 7
1 1 1 1 1 X 1 1 1 6
```

```
1 1 1 1 1 X 1 1 1 1
1 1 1 1 1 1 1 1 1 1
6 1 1 1 1 X 1 1 1 1
7 7 1 X X X 1 1 1 1
8 8 1 1 1 1 1 1 1 1
X 8 7 1 1 1 1 1 1 1
$ python pathfinder.py map01 ucs
your output:
* 1 1 1 1 1 4 7 8 X
* 1 1 1 1 1 1 5 8 8
* 1 1 1 1 1 1 4 6 7
* 1 1 1 1 X 1 1 1 6
* 1 1 1 1 X 1 1 1 1
* * 1 1 1 1 1 1 1 1
6 * * 1 1 X 1 1 1 1
7 7 * X X X 1 1 1 1
8 8 * * 1 1 1 1 1 1
X 8 7 * * * * * * *
expected output:
* 1 1 1 1 1 4 7 8 X
* 1 1 1 1 1 1 5 8 8
* 1 1 1 1 1 1 4 6 7
* 1 1 1 1 X 1 1 1 6
* 1 1 1 1 X 1 1 1 1
* * 1 1 1 1 1 1 1 1
6 * * 1 1 X 1 1 1 1
7 7 * X X X 1 1 1 1
8 8 * * 1 1 1 1 1 1
X 8 7 * * * * * * *
comparing outputss...
pass
--- TEST 3 ---
testing with map01
10 10
1 1
10 10
1 1 1 1 1 1 4 7 8 X
1 1 1 1 1 1 1 5 8 8
1 1 1 1 1 1 1 4 6 7
1 1 1 1 1 X 1 1 1 6
1 1 1 1 1 X 1 1 1 1
1 1 1 1 1 1 1 1 1 1
6 1 1 1 1 X 1 1 1 1
7 7 1 X X X 1 1 1 1
8 8 1 1 1 1 1 1 1 1
X 8 7 1 1 1 1 1 1 1
$ python pathfinder.py map01 astar manhattan
your output:
* 1 1 1 1 1 4 7 8 X
* 1 1 1 1 1 1 5 8 8
* 1 1 1 1 1 1 4 6 7
* 1 1 1 1 X 1 1 1 6
* 1 1 1 1 X 1 1 1 1
* * 1 1 1 1 1 1 1 1
```

```
6 * * 1 1 X 1 1 1 1
7 7 * X X X 1 1 1 1
8 8 * * 1 1 1 1 1 1
X 8 7 * * * * * * *
expected output:
* 1 1 1 1 1 4 7 8 X
* 1 1 1 1 1 1 5 8 8
* 1 1 1 1 1 1 4 6 7
* 1 1 1 1 X 1 1 1 6
* 1 1 1 1 X 1 1 1 1
* * 1 1 1 1 1 1 1 1
6 * * 1 1 X 1 1 1 1
7 7 * X X X 1 1 1 1
8 8 * * 1 1 1 1 1 1
X 8 7 * * * * * * *
comparing outputs...
pass
--- TEST 4 ---
testing with map01
10 10
1 1
10 10
1 1 1 1 1 1 4 7 8 X
1 1 1 1 1 1 1 5 8 8
1 1 1 1 1 1 1 4 6 7
1 1 1 1 1 X 1 1 1 6
1 1 1 1 1 X 1 1 1 1
1 1 1 1 1 1 1 1 1 1
6 1 1 1 1 X 1 1 1 1
7 7 1 X X X 1 1 1 1
8 8 1 1 1 1 1 1 1 1
X 8 7 1 1 1 1 1 1 1
$ python pathfinder.py map01 astar euclidean
your output:
* 1 1 1 1 1 4 7 8 X
* * 1 1 1 1 1 5 8 8
1 * * 1 1 1 1 4 6 7
1 1 * * 1 X 1 1 1 6
1 1 1 * * X 1 1 1 1
1 1 1 1 * * * 1 1 1
6 1 1 1 1 X * 1 1 1
7 7 1 X X X * * 1 1
8 8 1 1 1 1 1 * * 1
X 8 7 1 1 1 1 1 * *
expected output:
* 1 1 1 1 1 4 7 8 X
* * 1 1 1 1 1 5 8 8
1 * * 1 1 1 1 4 6 7
1 1 * * 1 X 1 1 1 6
1 1 1 * * X 1 1 1 1
1 1 1 1 * * * 1 1 1
6 1 1 1 1 X * 1 1 1
7 7 1 X X X * * 1 1
8 8 1 1 1 1 1 * * 1
```

```
X 8 7 1 1 1 1 1 * *
comparing outputs...
pass
--- TEST 5 ---
testing with map02
12 13
6 6
6 8
0 6 1 6 8 8 0 2 6 6 7 9 8
2 X X 4 X 8 6 0 6 X X 7 3
7 3 6 X 7 X 1 X 5 1 8 3 7
0 8 X 5 6 X X 9 X 1 X 6 X
2 1 0 4 2 7 X 8 3 X 5 5 1
3 4 3 7 1 5 X 0 7 9 0 4 7
2 X 5 2 2 8 6 X 9 7 6 X 3
8 8 3 1 1 7 X 2 5 X 5 2 7
1 X 6 0 7 6 2 X X 4 1 7 9
X 8 X 1 4 X X 8 5 6 8 X 9
8 7 9 X X 5 8 7 2 5 X 9 2
1 X 2 7 8 4 4 4 X 3 1 9 2

$ python pathfinder.py map02 astar manhattan
your output:
* * * * * * * * * * * * 8
* X X 4 X 8 6 0 6 X X * 3
* 3 6 X 7 X 1 X 5 1 8 * 7
* 8 X 5 6 X X 9 X 1 X * X
* * * * * 7 X 8 3 X 5 * 1
3 4 3 7 * * X * * * * * 7
2 X 5 2 2 8 6 X 9 7 6 X 3
8 8 3 1 1 7 X 2 5 X 5 2 7
1 X 6 0 7 6 2 X X 4 1 7 9
X 8 X 1 4 X X 8 5 6 8 X 9
8 7 9 X X 5 8 7 2 5 X 9 2
1 X 2 7 8 4 4 4 X 3 1 9 2
expected output:
* * * * * * * * * * * * 8
* X X 4 X 8 6 0 6 X X * 3
* 3 6 X 7 X 1 X 5 1 8 * 7
* 8 X 5 6 X X 9 X 1 X * X
* * * * * 7 X 8 3 X 5 * 1
3 4 3 7 * * X * * * * * 7
2 X 5 2 2 8 6 X 9 7 6 X 3
8 8 3 1 1 7 X 2 5 X 5 2 7
1 X 6 0 7 6 2 X X 4 1 7 9
X 8 X 1 4 X X 8 5 6 8 X 9
8 7 9 X X 5 8 7 2 5 X 9 2
1 X 2 7 8 4 4 4 X 3 1 9 2
comparing outputs...
pass
--- TEST 6 ---
testing with map03
12 13
6 6
```

```
6 8
0 6 1 6 8 8 0 2 6 6 7 9 8
2 X X 4 X 8 6 0 6 X X 7 3
7 3 6 X 7 X 1 X 5 1 8 X 7
0 8 X 5 6 X X 9 X 1 X 6 X
2 1 0 4 2 7 X 8 3 X 5 5 1
3 4 3 7 1 5 X 0 7 9 0 4 7
2 X 5 2 2 8 6 X 9 7 6 X 3
8 8 3 1 1 7 X 2 5 X 5 2 7
1 X 6 0 7 6 2 X X 4 1 7 9
X 8 X 1 4 X X 8 5 6 8 X 9
8 7 9 X X 5 8 7 2 5 X 9 2
1 X 2 7 8 4 4 4 X 3 1 9 2

$ python pathfinder.py map03 astar euclidean
your output:
null
expected output:
null
comparing outputs...
pass
```

SVN Log:

```
Adding files for Assignment_1
------------------------------------------------------------------------
r231 | a1779153 | 2020-03-24 08:46:57 +1030 (Tue, 24 Mar 2020) | 1 line
Changed paths:
   M /2020/s1/ai/Assignment1/astar.py

Adding files for Assignment_1
------------------------------------------------------------------------
r230 | a1779153 | 2020-03-24 08:46:10 +1030 (Tue, 24 Mar 2020) | 1 line
Changed paths:
   M /2020/s1/ai/Assignment1/astar.py

Adding files for Assignment_1
------------------------------------------------------------------------
r229 | a1779153 | 2020-03-24 08:43:39 +1030 (Tue, 24 Mar 2020) | 1 line
Changed paths:
   M /2020/s1/ai/Assignment1/astar.py

Adding files for Assignment_1
------------------------------------------------------------------------
r228 | a1779153 | 2020-03-24 08:41:20 +1030 (Tue, 24 Mar 2020) | 1 line
Changed paths:
   M /2020/s1/ai/Assignment1/astar.py

Adding files for Assignment_1
------------------------------------------------------------------------
r227 | a1779153 | 2020-03-24 08:39:54 +1030 (Tue, 24 Mar 2020) | 1 line
Changed paths:
   M /2020/s1/ai/Assignment1/astar.py

Adding files for Assignment_1
------------------------------------------------------------------------
r226 | a1779153 | 2020-03-24 08:21:11 +1030 (Tue, 24 Mar 2020) | 1 line
Changed paths:
   M /2020/s1/ai/Assignment1/sapathfinder.py

Adding files for Assignment_1
------------------------------------------------------------------------
r225 | a1779153 | 2020-03-24 07:55:41 +1030 (Tue, 24 Mar 2020) | 1 line
Changed paths:
   A /2020/s1/ai/Assignment1/astar.py
   A /2020/s1/ai/Assignment1/bfs.py
   A /2020/s1/ai/Assignment1/main.py
   A /2020/s1/ai/Assignment1/pathfinder.py
   A /2020/s1/ai/Assignment1/sapathfinder.py
   A /2020/s1/ai/Assignment1/state.py
   A /2020/s1/ai/Assignment1/ucs.py

Adding files for Assignment_1
------------------------------------------------------------------------
r223 | a1779153 | 2020-03-24 07:52:48 +1030 (Tue, 24 Mar 2020) | 1 line
Changed paths:
   A /2020/s1/ai/Assignment1
```

```
                                  Creating Directory for AI 2020
                                  -----------------------------------------------------------------------
```