



OOM 2019 Assignment 1

Oct 05, 2019, 07:10 PM IST - Oct 29, 2019, 07:10 PM IST

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LIVE EVENTS

[INSTRUCTIONS](#)[PROBLEMS](#)[SUBMISSIONS](#)[LEADERBOARD](#)[ANALYTICS](#)[JUDGE](#)[← Problems](#) / Exceptions

Exceptions

Max. Marks: 5

This problem is no longer available for practice. Apology for any inconvenience!

The following constraints exist in edges.

- Name: strictly less than 25 characters and strictly greater than 3 characters
- Length: between 0 (inclusive) and 150 (inclusive)
- Maximum speed: between 0 (inclusive) and 150 (inclusive)
- Vertex names: strictly less than 25 characters and strictly greater than 3 characters
- motorway: $0 \leq \text{occupancy} \leq (\text{max occupancy})(\text{number of lanes})$
- pedestrianRoad: $0 \leq \text{occupancy} \leq \text{max occupancy}$
- cyclistRoad: $\text{curvature} > 0$
- swamps: $0 < \text{difficulty} \leq 5$
- lakes: $0 < \text{tidal level} \leq 15$

Similarly, the following constraints exist in landmarks.

- ID: strictly less than 15 characters and strictly greater than 3 characters
- Name: strictly less than 25 characters and strictly greater than 3 characters
- trafficLight: $0 < \text{average time red} \leq 100$

RECENT SUBMISSIONS



DEVELOPERS	RESULT	LANGUAGE
Akhil	✓	Java 8
Vikash	✓	Java 8
Ankita Chandra	✗	Java 8
Ankita Chandra	⚠	Java 8
Ankita Chandra	✗	Java 8
Om1621	✓	Java 8
Ajay Kumar Rahul...	✓	Java 8

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- bench: $0 < \text{carrying capacity} \leq 15$
- shop: type can only be food, clothing, store, others. $0 \leq \text{rating within the category} \leq 10$, $0 \leq \text{expense level} \leq 10$
- washroom: $0 \leq \text{cleanliness level} \leq 10$

Print "invalid edge" if the edge attributes are illegal, "invalid motorway edge", "invalid pedestrianRoad edge", "invalid cyclistRoad edge", "invalid swamps edge", or "invalid lakes edge" in case the specific attributes are wrong. Similarly for the landmark print "invalid landmark", "invalid trafficLight landmark", "invalid bench landmark", "invalid shop landmark", or "invalid washroom landmark". Do not store any invalid input.





If a landmark is valid by other constraints, however, has wrong from vertex name or a wrong to vertex name specified in input, print "invalid road" and do not accept that input. It may be possible that no road exists between a pair of landmarks, which should still be accepted as a valid landmark.

Repeat the solution to question 2.

If a landmark ID is wrong in query, print "landmark does not exist"

Input and Output format

Same as question 2, with the difference that exceptions should be printed in addition while taking/processing the inputs only.

SAMPLE INPUT  	SAMPLE OUTPUT  
1	invalid edge
12 12	invalid motorway edge
h3z4a c8lfq cyclistRoad 44qzj	invalid road
78 5 3	t9ivv 2hs8i 4 1 a9nqa
oelhb c8lfq lakes ped0n 64 1 3	h3z4a c8lfq 44qzj 78 5 3
1 8	h3z4a c8lfq ydhaf 94 4 8 2 1234
oelhb sfy19 swamps t0vov 62 6 1	775qr 6whyk 0 4 srjpa
5tlonnzuzeeygxlovkyam2w7vdes	boara zc7rt 1 2

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sfy19 motorway bmtf2 74 21 758
1 4 39
oelhb c8lfq motorway jtv12 60
29 796 1 2 759
oelhb sfy19 pedestrianRoad
6uvq4 87 3 2 38 1232
oelhb h3z4a swamps i72ia 56 5 1
h3z4a c8lfq pedestrianRoad
ydhaf 94 4 8 2 1234
sfy19 oelhb pedestrianRoad
753js 60 4 8 17 1129
h3z4a sfy19 motorway 6v5xf 12
25 363 1 1 69
sfy19 c8lfq pedestrianRoad
sb6x8 22 4 1 95 708
c8lfq oelhb lakes kfe7n 73 1 3
5 15
h3z4a c8lfq boara zc7rt 1
trafficLight 2
5tlonnzuzeeygxlovrkyam2w7vdes
sfy19 ldkx1 2imub 5
trafficLight 4
h3z4a c8lfq t9ivv 2hs8i 4 bench
1 a9nqa
oelhb h3z4a ca6pw wzy5h 4 shop
lniuw food 3 2
oelhb h3z4a cqo2f wu89w 5
trafficLight 7
oelhb sfy19 yfyd7 zktwl 1 bench
1 zw56a
oelhb sfy19 h4qvm icsg5 6
washroom 464 2
oelhb h3z4a g0904 pjupq 2 shop

```

```

t9ivv 2hs8i 4 1 a9nqa
h4qvm icsg5 6 464 2
oelhb sfy19 t0vov 62 6 1
oelhb sfy19 753js 60 4 8 17
1129
oelhb sfy19 6uvq4 87 3 2 38
1232
3ubcu 8lq49 4 338 5
h4qvm icsg5 6 464 2
yfyd7 zktwl 1 1 zw56a
ca6pw wzy5h 4 lniuw food 3 2
oelhb h3z4a i72ia 56 5 1
ca6pw wzy5h 4 lniuw food 3 2
cqo2f wu89w 5 7
g0904 pjupq 2 ywlck clothing 4
4

```

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LIVE EVENTS

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```
ywlck clothing 4 4
h3z4a c8lfq 775qr 6whyk 0 bench
4 srjpa
sfy19 oelhb g62c2 omai3 8 shop
d4ql6 others 5 4
sfy19 oelhb cs03y 1lh0q 5 shop
elnv2 clothing 3 1
oelhb sfy19 3ubcu 8lq49 4
washroom 338 5
3
t9ivv
h4qvm
ca6pw
```

Time Limit:	2.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded if any testcase passes.
Allowed Languages:	Java 8

CODE EDITOR

Enter your code or [Upload your code](#) as file.

Java 8 (oracle 1.8.0_131)



Save

```
1 import java.io.BufferedReader;
2 import java.io.IOException;
3 import java.io.InputStreamReader;
4 import java.util.*;
5
6
```

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LIVE EVENTS

1:1

💡 Press Ctrl-space for autocomplete suggestions (accuracy dependent on connection stability).

☒ Provide custom input

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COMPILE & TEST

SUBMIT

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	Developer hiring guide	Assess University Talent	Careers		
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	Developers Blog				
	Developers Wiki				
	Competitive Programming				
	Start a Programming Club				
	Practice Machine Learning				

Site Language: English

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