Programming Languages
HW-4 Report

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Part 1 accepts inputs in format of
query(objectid, timeGiven).

Part 2 accepts inputs in format of
classify(x1, x2, x3, x4).
The decision tree output is provided in decision_tree.txt file.

This is example console.

```
?- ["part2.pl"].
true.

?- classify(4.9,2.4,3.3,1.0)
|    .
Iris-versicolor
true.

?- ["part1.pl"].
true.

?- query(object1, 20).
Object object1 can be delivered by:
Delivery Personnel ID: dp1 - In Total Delivery Time: 14 hours
Delivery Personnel ID: dp2 - In Total Delivery Time: 9 hours
true.

?- query(object2, 20).
Object object2 can be delivered by:
Delivery Personnel ID: dp1 - In Total Delivery Time: 16 hours
Delivery Personnel ID: dp2 - In Total Delivery Time: 10 hours
true.

?- query(object3, 20).
In transit by dp3
true.

?- query(object4, 20).
Object object4 can be delivered by:
Delivery Personnel ID: dp1 - In Total Delivery Time: 15 hours
Delivery Personnel ID: dp2 - In Total Delivery Time: 5 hours
true.

?- query(object5, 20).
Object object5 can be delivered by:
Delivery Personnel ID: dp1 - In Total Delivery Time: 14 hours
Delivery Personnel ID: dp2 - In Total Delivery Time: 8 hours
true.

?- query(object5, 5).
Object object5 cannot be delivered by anyone.
true.

?- query(object5, 10).
Object object5 can be delivered by:
Delivery Personnel ID: dp2 - In Total Delivery Time: 8 hours
true.

?-
[3]+  Stopped                 swipl
atakan@atakan-VirtualBox:~/Desktop/hw4_200104004044$ 
```