
Q2f

```
data = getData([], 'test','list');
ids = data.ids(1:3);

for i = 1:3
    fprintf('In %s:\n',ids{i});
    imdata = getData(ids{i}, 'test', 'left');
    car_ds = imdata.car.ds;
    person_ds = imdata.person.ds;
    cyclist_ds = imdata.cyclist.ds;
    if ~isempty(car_ds)
        for car_idx = 1:size(car_ds,1)
            fprintf('There is a car ');
            if car_ds(car_idx,7) < 0
                fprintf('to you left ');
            else
                fprintf('to you right ');
            end
            distance = norm(car_ds(car_idx,[7 8 9]));
            fprintf('with distances %d\n',distance);
        end
    end
    if ~isempty(person_ds)
        for person_idx = 1:size(person_ds,1)
            fprintf('There is a car ');
            if person_ds(person_idx,7) < 0
                fprintf('to you left ');
            else
                fprintf('to you right ');
            end
            distance = norm(person_ds(person_idx,[7 8 9]));
            fprintf('with distances %d\n',distance);
        end
    end
    if ~isempty(cyclist_ds)
        for cyclist_idx = 1:size(cyclist_ds,1)
            fprintf('There is a car ');
            if cyclist_ds(cyclist_idx,7) < 0
                fprintf('to you left ');
            else
                fprintf('to you right ');
            end
            distance = norm(cyclist_ds(cyclist_idx,[7 8 9]));
            fprintf('with distances %d\n',distance);
        end
    end
end
end
```

```
In 004945:
There is a car to you right with distances 5.712012e+01
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There is a car to you right with distances 1.150438e+01
There is a car to you left with distances 4.654811e+01
There is a car to you left with distances 7.571202e+01
In 004964:
There is a car to you right with distances 8.281848e+01
There is a car to you right with distances 4.007096e+01
There is a car to you right with distances 8.276886e+01
There is a car to you left with distances 1.915666e+01
There is a car to you right with distances 1.928514e+01
In 005002:
There is a car to you left with distances 2.929314e+01
There is a car to you left with distances 2.419383e+01
There is a car to you left with distances 2.476850e+01
There is a car to you right with distances 3.397670e+01
There is a car to you right with distances 5.260385e+01
There is a car to you left with distances 2.207100e+01
```

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