Course - CSCI 3901
#B00835717

Assignment III

Test cases

newIntersection
- Add a new point onto the map by passing the coordinates x and y.
- Add more than three points onto the map.
- Add the coordinates of a point that is already present on the map.

defineRoad
- Construct a new road between two points.
- Construct a new road between the two points that are not present on the map.
- Construct a new road between the two points, one of which is not present on the map.
- Try to add a road on top of already existed road.
- Define a road between the same points, i.e. x1 = x2 and y1 = y2.
- Define a road before creating any intersection, i.e. before adding any coordinates to the map.

Navigate
- Call navigate method with the coordinates that are present on the map.
- Call navigate method with the coordinates that are not present on the map.
- Call navigate method with the same couple of coordinates, i.e, initial and destination points are the same.
- Call navigate method before defining any road.
- Call navigate method before creating any intersection, i.e. before adding any coordinates to the map.
- Call navigate method with the coordinates that are directly connected to each other.
- Call navigate method with the coordinates that are indirectly connected to each other through other coordinates.
- Call navigate method with the coordinates that not connected at all, i.e. neither directly, nor indirectly.