Karen Rees-Milton. April 23 2018. COMP211 Assign3. Part A: Functions

void findCrossRoads(byval num trafficLightNumber, byref string road1,

byref string road2)

Query mysql table using traffic light number

Retrieve road1 and road2

return

string produceTrafficReport(byval datetime trafficDateTimeStamp,

byval num trafficLightNumber, byval num vehicles,

byval num bikes, byval num pedestrians)

try

Declare variables

string road1

string road2

string report

num crossings

exception badDataException

findCrossRoads(trafficLightNumber, road1, road2)

if vehicles >= 0 and bikes >= 0 and pedestrians >= 0

crossings = vehicles + bikes + pedestrians

report = "Traffic report for intersection " + road1 + " and "

+ road2 + " " + trafficDateTimeStamp +

". Total crossings: " + crossings

else

throw badDataException

end try

catch badDataException

report = "Bad data input: Negative values are not permitted"

end catch

return(report)

