## Task 1

DSIKE trois algorithm is used to that the sharters

Poths in a weighted graph was present in this

from a some to all as

other rules

This algorithm works by iterating through the other rody until it Ands the chosent one to the summer than reliably all the other nodes. The algorithm also produces and utilizes a pointy queue to estimately select the nodes with the minimum distance. The distances are then offlooded to an autent of the

## Tosh2

This code uses a modified versus of the Gillippos algorithm to shic the optimal distance between Byte as Bob, who are the in Stockfied Stocking rudes timentamentally determines the minimum lime tables for both putty to meet, and identifies the rock where they considered the above tops, if use a privily quere to estimatly select the rock where the minimal distance. The dutance and conversing rude are afflueded to an output sile.

## TOSKS

THIS code addreves the problem of Ardry the sures path through a graph with verying derger levels as southed with its edges by implementing a message Distillarly algorithm. It is address the peth with the minimal darger level from the standing to Aristone rude. It also uses a provint que we to effecting explore the graph, with the resulting darger level being offlowed to ar order the