

# Programming Task

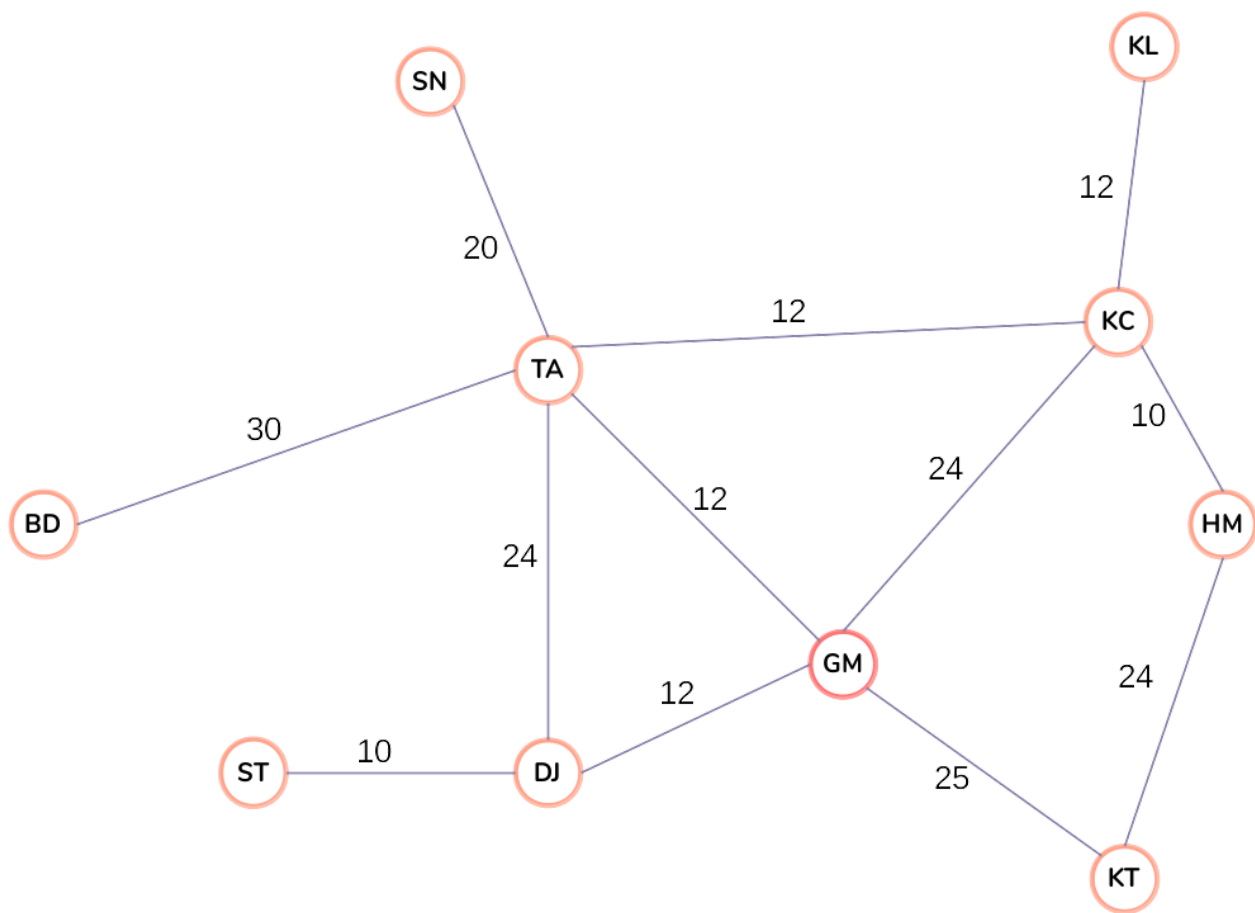
You are given the following chart and are told that each two letters represent a location in the greater Bamako area. Your task is to find the **shortest path** from location x to location y. The distance between two locations is written next to the line.

Note that this image is not a correct representation of distances between locations.

- KT: Kati.
- GM: Grand Market
- DJ: Djelibougou
- ST: Sotuba
- BD: Baguineda
- TA: Tour d'Africa
- SN: Senou
- KL: Kabala
- KC: Kalaban Coro
- HM: Hamdallaye

## Shortest paths to find:

- Baguineda to Kati
- Kati to Senou
- Senou to Kabala
- Hamdallaye to Baguineda
- Sotuba to Kabala
- Kalaban Coro to Sotuba
- Kati to Kalaban Coro



```
In [ ]: def shortest_path(x, y):  
        """ Your algorithm for finding shortest path of a node here """  
  
        ## Rest of the code here ##
```