

DSA through C++

Bhopal metro project



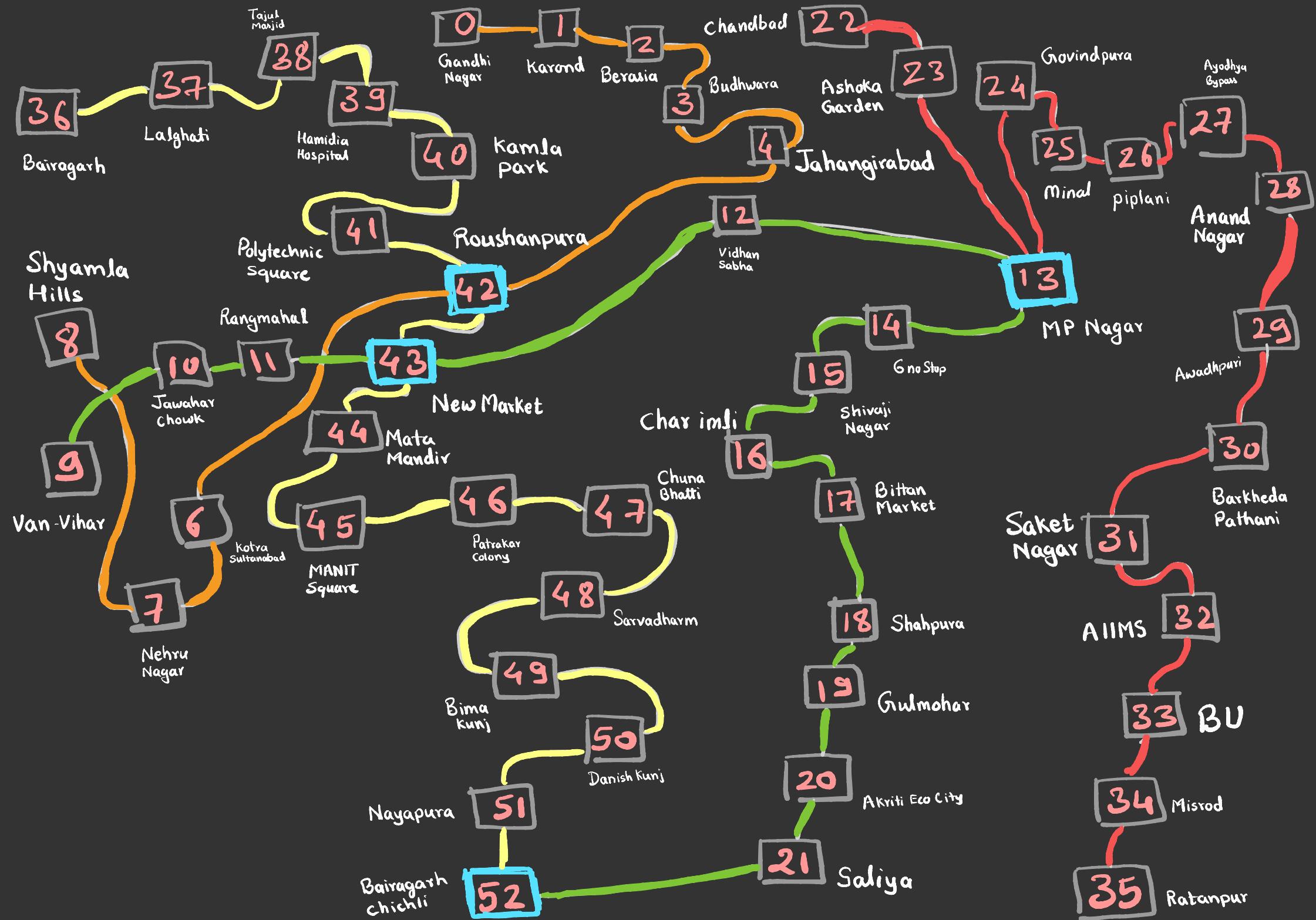
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Agenda

- ① Project
- ② Metro Station Map
- ③ Station codes
- ④ Problem Statement

Project

Bhopal Metro Project



Station Codes

Station Code	Station Name	Station Code	Station Name
0	Grandhi Nagar	13.	MP Nagar
1	Karond	14.	6 no. stop
2	Berasia	15.	Shivaji Nagar
3	Budhwara	16.	Char imli
4	Jahangirabad	17.	Bittan Market
5	Roushanpura	18.	Shahpura
6	Kotra Sultanabad	19.	Gulmohar
7	Nehru Nagar	20.	Akriti Eco City
8.	Shyamla Hills	21.	Sajiya
9	Van Vihar	22.	Chandbad
10	Jawahar Chowk	23.	Ashoka Garden
11.	Rangmahal	24.	Gorindpura
12.	Vidhan Sabha	25.	Minal
		26.	Piplani

Station Code	Station Name	Station Code	Station Name
27.	Ayodhya Bypass	40.	Kamla Park
28.	Anand Nagar	41.	Polytechnic Square
29.	Awadhpuri	42.	Roshanpura
30.	Barkheda Pathani	43.	New Market
31.	Saket Nagar	44.	Mata Mandir
32.	AllMS	45.	MANIT Square
33.	Barkatullah University	46.	Patrakar Colony
34.	Misrod	47.	Chuna Bhatti
35.	Ratanpur	48.	Sarvdharm
36.	Bairagarh	49.	Bima Kunj
37.	Lalghati	50.	Danish Kunj
38.	Tajul Masjid	51.	Nayapura
39.	Hamidia Hospital	52.	Bairagarh Chichli

Problem Statement

There are 53 Metro stations in BHOPAL
Considering each station an integer
value starting from 0 is assigned.

When the user enters the source station,
as a result, user can see the list of
all possible destination stations with the
minimum number of stations between
them.

You have to store information about the stations and their connections as given in the diagram in appropriate data structure.