### **DAY 7**

Aryan

# 22BCS10190

**KPIT-901(A)** 

# Find Center of Star Graph

C:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\pratice1>cd "c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\pratice1\" && g++ day7ques1.cpp -o day7ques1 && '\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\pratice1\"day7ques1
2

c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\pratice1>

# Find if Path Exists in Graph

Active code page: 65001

C:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel>cd "c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel\" && g++ day7ques2.cpp -o day7ques2 && "c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel\" day7ques2.cpp -o day7ques2 folder\praticel\" day7ques2 folder\praticel\"

c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\pratice1>

#### 01 Matrix

```
Active code page: 65001

C:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel>cd "c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel\" && g++ day7ques3.cpp -o day7ques3 && "c
:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel\"day7ques3
0 0 0
0 1 0
1 2 1
c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel>
```

### Accounts Merge

```
Active code page: 65001

C:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel>cd "c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel\" && g++ day7ques4.cpp -o day7ques4 && "c
:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel\" day7ques4
Nary mary@mail.com
John john@mail.com john_newyork@mail.com johnsmith@mail.com
c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel>
```

### Network Delay Time

Active code page: 65001

C:\USers\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\pratice1>cd "c:\USers\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\pratice1\" && g++ day7ques5.cpp -o day7ques5 && "c:\USers\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\pratice1\"day7ques5
2

c:\USers\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\pratice1>

## All Paths From Source to Target

Active code page: 65001

C:\Users\Gaurav Kumar\OneDrive\Desktop\Sth sem\codes\New folder\praticel>cd "c:\Users\Gaurav Kumar\OneDrive\Desktop\Sth sem\codes\New folder\praticel>cd "c:\Users\Gaurav Kumar\OneDrive\Desktop\Sth sem\codes\New folder\praticel\" && g++ day7ques6.cpp -o day7ques6 && "c:\Users\Gaurav Kumar\OneDrive\Desktop\Sth sem\codes\New folder\praticel\" day7ques6

5

c:\Users\Gaurav Kumar\OneDrive\Desktop\Sth sem\codes\New folder\praticel>

#### Max Area of Island

```
G day7ques7.cpp > ...

# #include (dostream)
# include (vector)

using namespace std;

void dfs(int node, vectorvector<int>)& graph, vector<int>& path, vectorvector<int>>& result) {

path, push_back(node);
    if (node == graph.size() = 1) {
        result.push_back(path);
    } else {
        for (int neighbor: graph(node)) {
            dfs(neighbor, graph, path, result);
        }
        }
        path, pop_back();
    }

// path, pop_back();

// pa
```

```
Active code page: 65001

C:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel>cd "c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel\" && g++ day7ques7.cpp -o day7ques7 && "c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel\" ay7ques7 && "c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel\" ay7ques7 && "c:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel>

C:\Users\Gaurav Kumar\OneDrive\Desktop\5th sem\codes\New folder\praticel>
```