**Output:**

**admin@chaitanya:~/Desktop/dsa$ g++ C15.cpp**

**admin@chaitanya:~/Desktop/dsa$ ./a.out**

**Prims Algorithm to connect several offices**

**Enter Total Offices: 3**

**Enter Adjacency Matrix:**

**Enter distance between 0 and 0**

**12**

**Enter distance between 0 and 1**

**1**

**Enter distance between 0 and 2**

**22**

**Enter distance between 1 and 1**

**3**

**Enter distance between 1 and 2**

**1**

**Enter distance between 2 and 2**

**22**

**0 --> 1**

**1 --> 2**

**Total cost is: 2**

**admin@chaitanya:~/Desktop/dsa$**