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PS C:\Users\ajeet\OneDrive\Documents\SNUDocs\submissions\sem2ds\lab12> g++ ex1.cpp -o test
PS C:\Users\ajeet\OneDrive\Documents\SNUDocs\submissions\sem2ds\lab12> ./test
```

```

      MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 2
Graph is empty.
```

```

      MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 3
Graph is empty.
```

```

      MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 4
Graph is empty.
```

```

      MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 6
Invalid choice.
```

```

      MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 1
1. Insert vertex      2. Insert edge
Enter choice: 1
Enter vertex: 1
```

```

      MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 1
1. Insert vertex      2. Insert edge
Enter choice: 1
Enter vertex: 2
```

```

      MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 1
1. Insert vertex      2. Insert edge
Enter choice: 1
Enter vertex: 3
```

```

      MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 1
1. Insert vertex      2. Insert edge
Enter choice: 2
Enter vertex 1: 1
Enter vertex 2: 2
Enter edge weight: 4
```

```

                                MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 1
1. Insert vertex      2. Insert edge
Enter choice: 2
Enter vertex 1: 2
Enter vertex 2: 3
Enter edge weight: 5

```

```

                                MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 1
1. Insert vertex      2. Insert edge
Enter choice: 2
Enter vertex 1: 1
Enter vertex 2: 3
Enter edge weight: 6

```

```

                                MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 4
  1 2 3
1 0 4 6
2 4 0 5
3 6 5 0

```

```

                                MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 3
Enter vertex 1 of edge to search: 3
Enter vertex 2 of edge to search: 1
Edge weight 6

```

```

                                MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 2
1. Delete vertex      2. Delete edge
Enter choice: 2
Enter vertex 1: 1
Enter vertex 2: 3
Edge deleted.

```

```

                                MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 3
Enter vertex 1 of edge to search: 1
Enter vertex 2 of edge to search: 3
Edge weight 0

```

```

                                MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 2
1. Delete vertex      2. Delete edge
Enter choice: 1
Enter vertex: 2
Vertex deleted.

```

```

                                MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 4
  1 3
1 0 0
3 0 0

```

```

                                MENU
1. Insert      2. Delete      3. Search      4. Display      5. Exit
Enter choice : 5
Exiting...
PS C:\Users\ajeet\OneDrive\Documents\SNUDocs\submissions\sem2ds\lab12> █

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