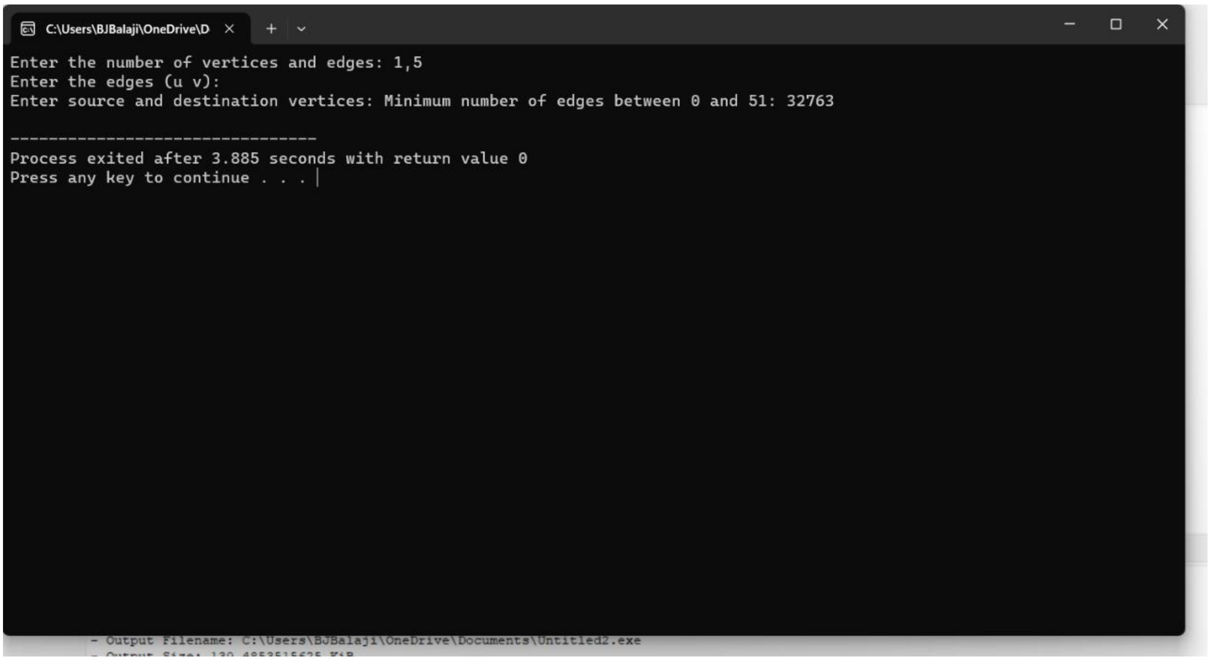
```
#include <stdio.h>

#define MAX_VERTICES 100

int main() {
    int N, M, i;
    printf("Enter the number of vertices (N) and edges (M): ");
    scanf("%d %d", &N, &M);
    int graph[MAX_VERTICES][MAX_VERTICES] = {0};

    // Input edges
    printf("Enter the edges (u v):\n");
    for (i = 0; i < M; i++) {
        int u, v;
        scanf("%d %d", &u, &v);
        // Since it is an undirected graph, mark both u-v and v-u as connected
        graph[u][v] = graph[v][u] = 1;
    }
    int source, destination;
    printf("Enter the source and destination vertices: ");
    scanf("%d %d", &source, &destination);
    int queue[MAX_VERTICES], front = -1, rear = -1;
    int visited[MAX_VERTICES] = {0};
    int distance[MAX_VERTICES] = {0};
    queue[++rear] = source;
    visited[source] = 1;
    while (front < rear) {
        int current = queue[++front];
        for (i = 0; i < N; i++) {
            if (graph[current][i] == 1 && !visited[i]) {
                queue[++rear] = i;
                visited[i] = 1;
                distance[i] = distance[current] + 1;
                // If destination is reached, print minimum distance and exit
                if (i == destination) {
                    printf("Minimum number of edges between (%d, %d): %d\n", source, destination, distance[i]);
                    return 0;
                }
            }
        }
    }
    printf("No path found between (%d, %d).\n", source, destination);
    return 0;
}
```



```
Enter the number of vertices and edges: 1,5
Enter the edges (u v):
Enter source and destination vertices: Minimum number of edges between 0 and 51: 32763

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Process exited after 3.885 seconds with return value 0
Press any key to continue . . .
```

```
- Output Filename: C:\Users\BJBalaji\OneDrive\Documents\Untitled2.exe
- Output Size: 130.4853515625 KiB
```