Heaven's Light is Our Guide



Rajshahi University of Engineering and Technology Department of Computer Science and Engineering

Course No: CSE.2202

Course Title: Sessional based on CSE.2201 (Computer Algorithms)

Report On: Lab Final Problem 5

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```
OBFS (male) {
   for in o to n do {
      if (node[x][i] = 1)(then
           Denqueue (i);
   while ( queue is not empty) {
        n = queue font();
        dequeue ();
        if not visited then {
             pnint ri,
             viette n;
         BFS (29)
```

Hindhide Llik/stderth) using namespoice atal; Appedet long long Ill; queue Link > 99; ind 90 [109] = {0}; int vis [105] = {0}; wide of circle or intervolved for (int i=1; i<=v; i++){ if (9660)[i]==1&& vis(i)!2]{ 99. push (i);

while (! 99. empty()) {

n=99. fnort();

99. pop();

if (ver[n]!=1){

cont

vir [n] = 1;

bfs(n);

bfs(n);

}

int main () { int v, i, j, k; cout 2 "Enten the Number of vertenes: "; constK" Entet graph data in natrice form: "Kendl; fon (121; i<=v; i++){ fon (j=1; j<2 v; j++){ eins gpli][j]; cout << "Enten the start mode: "; cin >> k; 如见风了工了; eout K' wiThe node which are neachable are: "; bfs(14, y); east 10 endli noturn 0;

```
"F:\4th Semester\CSE\CSE.2202\Lab Final\5\5.exe"
Enter the Number of vertexes: 4
Enter graph data in matrix form:
0 1 1 1
Enter the starting vertex: 1
The node which are reachable are: 2 3
Process returned 0 (0x0) execution time : 42.691 s
Press any key to continue.
```