```
Void addEgge (struct Coaph* graph, int six, int dest) {
Struct Node* nur Node = Creativode (dist);
            graph - adjlists [src]: numade;
            nuvode = Creativade (src);
            new Node -> never = graph -> vacy Listo [dust];
            graph - adjlist [dest] = nue Node i
               BFS (Struct Chappe * graph int start Necle) {
               int gruene [Masc_Nocles];
                int Front=0, sease =0;
               graph - visited [ starthode] = 1
               que (sear + + )= starthade;
               while (Front < seas) for the their day
  int coovert = greene C Front ++ ];
(Date moute)
                     printf ("1/d") wout );
               Struct rock * temp = graper - activisto [current];
               while (temp) {
                   int acy Nade = temp - data;
                  if ( ! graph -> rivited [ ady Noch ] ) {
                glaph - vieited (adj Node ]) & = 1;
                       gge gruene [rear++] = adj Node;
                   3
                  temp= temp > neoct;
                     LAWY FRANCE Hanes
                      and the finished done
```

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iname native

int main () for the last many int num Nodus; Brintf ("Enter the no of modes:"); scarf ("%.d", & numbbodes) struct craph # graph = create craph (num Nadus); int num Egdes; printf("Enter the number of edges: "); sconf ("% d", & num Edges); for (inti=0 ; i < num Edges; i++) { int suc, dust; print ("Enter edge 1/0d (source): "; i+1); Scarf ("1/d /d, x) suc, x dest); addedge (graph, src, dust); int southode; printf ("Enter the starting nock for BFS traversal: "); scort ("o/d" ) & Starwach); printf (BFS traversal starting from mode 4-d: ", start Noch); BFS (gropes start Nocle); i manne months Return 0; 19 ( or this) decorate Casar touch allow (\*Agoso France) - agoso \* dance done - - Commontant - don't the - Marian sile as interior (a) Element of the filter of a series - Gallantion Edgnes ideals ande

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2) Program to show dept jirst search in a search.
       #indude <ablio.h>
       #include < stdlib.h>
      #define Masc_Nocles 100
      (Carballonia) doors to compense doors doors doors doors
       Stauct Node ?
           Int data;
           other Node # neat;
                 for the continue of a contact for
       Struct craph {
           int Dunkledus;
           struct Node+ adjlists [Maa_Nocles];
           int visited [Mood nooles ];
      Struct Nocle* creati Nocle (int data) {
            stuct Node * new Node = (Strict Nocle *) mallor
                                                      6
       numbode - data = data; (size of (struct Noch));
Alegella ):
             nu nade -> neat = NULL;
             Return neumocle;
       Struct Waph # g Create Creaph (int n) {
            struct Creaph # graph = (Struct Creaph +) mallor (
                                        size of (struct (wager));
             graph -> numbrodu = n;
             for (inti=0; i2n; i++){
                  grops - actilist[i]= NULL;
                 grouph = Visited(i) = 0;
           leturs graph;
```

```
Void add Egge (struct Waps # graps, int six, int dest) {
      struct Nocle * new Nocle = create Nocle (deat);
     new Noch - noch = graph - adjlists [src];
     graph = adjust [src] = num nodu;
      new Nocle = create Nocle (sec);
      newNode -> nuct = graph -> adj listEdust);
      graph -> adjtists[dest] = numnodij
    act 290 GA almost middle att stated") Advised
void OFS (struct-Craph * graph, int start woods) C
graph -> visitual [ starthool ]= 1;
    printf ("1.d", stouthodi);
    Stauch wordt temp = graph -> adjliats (Start Woods);
    While (temp) {
        int adj Node = temp - data ;
       if (1 graph - visited (acynoch J) {
            DFS (graph, adj Noch);
       temp = temp -mout;
int main () {
    int num Norchs ;
   prints ("Enter number of nodes: ");
   scarf ("1/d", & num Nocleo);
  struct Graps = aste waps (nun Noclus);
    int Edges;
   prof ("Enter the number of edges:");
   scarf ("/d' & num Edges);
```

for (inti=0; i < num Edges; i++){ int sec, deat; print ("Enter edge ". d ( source, distrator): : Bonnum = ( Dall) describer dance i+1); scan F("1.d, 1.d; x) ssc, x dest); int start Noch; the date of the Printf ("Enter the starting nock for OFS thanksal:"); scanf (" o/d', x start Macle); purt ("OFS traversal starting from noch 1.d: ", Start wood); OFS (graph, Start-Nocli); setuno; datailibre dance quet front track integrate italian to 1 (Cabalitas) batisis = dans 1) 71 al about the done of the के ने क्षेत्रकार्य के के कार्य and the desidence to independent detail advice Latherthanne banco sand dans and the same

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