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Practice Problem1:
#include<stdio.h>
void DFS(int);
int G[10][10], visited[10], n;
void main()
{
int i,j;
printf("Enter Number of Sub-Office:");
scanf("%d",&n);
printf("\nEnter Their Connection using Matrix:\n");
for(i=0; i<n; i++)
{
for(j=0; j<n; j++)
{
scanf("%d",&G[i][j]);
}
}
for(i=0; i<n; i++)
{
visited[i]=0;
}
DFS(0);
}
void DFS(int i)
{
int j;
printf("Visiting Office:")
printf("\n%d",i);
visited[i]=1;
```

```
for(j=0; j<n; j++)
{
if(!visited[j]\&\&G[i][j]==1)
{
DFS(j);
}
}
}
Practice Problem2:
#include<stdio.h>
void DFS(int);
int G[10][10], visited[10], n;
void main()
{
int i,j;
printf("Enter Number of Cloths:");
scanf("%d",&n);
printf("\nTheir Connection:\n");
for(i=0; i<n; i++)
{
for(j=0; j<n; j++)
{
scanf("%d",&G[i][j]);
}
}
for(i=0; i<n; i++)
{
visited[i]=0;
}
```

```
DFS(0);
}
void DFS(int i)
{
int j;
printf("Wearing list:")
printf("\n\%d",i);
visited[i]=1;
for(j=0; j<n; j++)
{
if(!visited[j]\&\&G[i][j] == 1) \\
{
DFS(j);
}
}
}
```