Module 8

```cpp
#include <iostream>
#include <fstream>                                    Topic 1
using namespace std;
struct node
{
    int data;
    node *ll;
    node *rr;
};
int main()
{
    int LL[50], DATA[50], RL[50];
    node *ax[50];
    ax[0] = 0;
    ifstream mac;
    mac.open("store.txt");
    int i = 1;
    while (mac >> LL[i])
    {
        char U;
        mac >> U;
        DATA[i] = int(U);
        mac >> RL[i];
        cout << LL[i] << " " << char(DATA[i]) << " " << RL[i] << endl;
        ax[i] = new node();
        i++;
    }
    for (int m = 1; m <= i - 1; m++)
    {
        cout << "Node: " << m << " " << char(DATA[m]) << " " << ax[m] << " " <<
endl;
        ax[m]->data = DATA[m];
        ax[m]->ll = ax[LL[m]];
        ax[m]->rr = ax[RL[m]];
    }
    for (int m = 1; m < i; m++)
    {
        cout << ax[m]->ll << " " << LL[m] << "      " << char(ax[m]->data) <<
"    " << RL[m] << " " << ax[m]->rr << endl;
    }
}
```

```
2 A 3
4 B 5
6 C 7
8 D 9
0 F 0
0 G 10
0 H 0
0 I 0
0 J 0
0 K 0
```

store.txt