CZ1106 Problem Solving and Computation II

Introduction to Data Structures

Linked List, Stack and Queue

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Data Structures

Data structure is an organizational scheme, such as a record, array, or pointer that can be applied to data to facilitate interpreting the data or performing operations on it.





























Example: Concatenate 2 lists

```
listptr concatlists (listptr first, listptr second)
{
    listptr temp;
    if (first == NULL)
        return second;
    if (second != NULL)
        {
        temp = first;
        while (temp->next != NULL) temp = temp->next;
        temp->next = second;
    }
    return first;
}
```