C Data Structures, Pointers, and File Systems

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1 Arrays

1.1 Concepts

In C: Array is a collection of consecutive objects with same data type

- Array is a variable
- Array has a data type and name with square bracket
- Within the brackets are the number of elements in the array

```
float best_score[3] = {
    1.1, 2.1, 3.1, 4.1
};
```

1.2 Working With Arrays

1.3 Passing an array to an function

1.4 Multi-Dimensional Array

2 Structure

2.1 Concepts

2.2 Nesting an Structure

2.3 Array of Structure

2.4 Sending a Structure to a function

3 Union