

C Programming Notes: Unit 4 - Arrays and Strings

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1 Arrays and Strings

Arrays store multiple values of the same type, and strings are arrays of characters.

1.1 Single Dimensional Arrays

```
int array[10];
```

1.2 Multi Dimensional Arrays

```
int matrix[3][3];
```

1.3 Array Operations

Manipulating arrays (insertion, deletion).

1.4 String Handling Functions

Functions like `strlen`, `strcpy`, `strcat`, `strcmp`.

```
char str1[20] = "Hello";  
char str2[20];  
strcpy(str2, str1);
```