Arrays in C++ (9.1)

An Array is a data structure used to store blocks of information in contiguous memory allocation. The data can be integer, strings, characters, class objects, etc.

Declaring an Array:

```
//Syntax
//<data_type> Name[size]
int intArray[100];
char characterArray[100];
```

Getting started with Arrays:

1. Finding Max and Min element:

   Step 1: Taking the input 'n' and declaring an Integer Array of size 'n.'

   Step 2: Iterating the Array and calculating the maximum and minimum elements.

```cpp
int n;
cin >> n;

int arr[n];
for (int i = 0; i < n; i++) {
    cin >> arr[i];
}

int maxNo = INT_MIN;
int minNo = INT_MAX;

for (int i = 0; i < n; i++) {
    maxNo = max(maxNo, arr[i]);
    minNo = min(minNo, arr[i]);
}

cout << maxNo << " " << minNo << endl;
```

Practice questions:

1. [Running sum of an Array](#)
2. [Kids with the greatest number of candies](#)

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