

# C++ Arrays

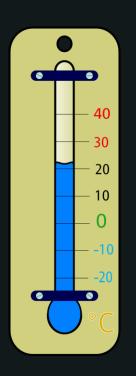
C++ Programming





## Why Array?

Arrays are used to store multiple values in a single variable, instead of declaring separate variables for each value.



```
void main()
{
  float temp1= 25.3f;
  float temp2 = 26.1f;
  float temp3 = 27.8f;
  float temp4 = 32.2f;
  float temp5 = 33.5f;
}
```



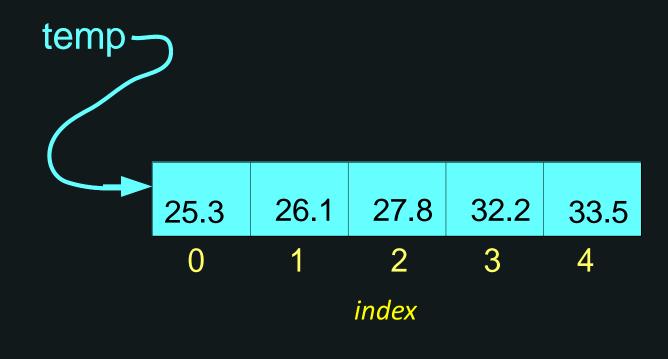


### What is Array?

It is a collection of items stored at contiguous memory locations.



How to access elements in array



temp[0]

temp[1]

temp[3]

temp[5]



### **Creating Array**

```
#initialization
string name[3] = { "John" , "Hana" , "Steve" };
```



```
for ( int i = 0; i < 3; i ++ ) #traversal
{
     cout << name[i];
}</pre>
```



### **Creating Array**

```
#initialization
```

```
string name[3] = { "John" , "Hana" , "Steve" };
```







Write a program, to take 5 no. as input and find the minimum no.



#### Advantage & Disadvantage

#### Advantage:-

Randomly access the element using index.

Use less line of code

Easy traversal using single loop

#### **Disadvantage:**-

Size is fixed, can't change at runtime

Insertion and deletion are costly

