

# C and C++ Data Structures and Algorithms:

## Essential C and C++ Concepts

### Arrays

"Collection of similar data elements".

int A[5];      A

27	10			
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index. → 0    1    2    3    4

A[0] = 27;

A[1] = 10;

"declare and initialization of arrays"

int main() {      Declaration "main memory"

int A[5];

→ Declaration + initialization heap

int B[5] = {2, 4, 6, 8, 10};

int i;      Access.

for (i = 0; i < 5; i++) {  
    printf("%d", B[i]);  
}

stack

main →

code  
section

