Arrays and loops

Adapted from materials by Dr. Carrier

Tim Wildsmith - Unsplash

Basic arrays

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int arr[3] = {2, 4, 6};
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char arr[5];
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```
char arr[] = “hello world”;
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Array indexing

We still access elements like in every other language (zero-indexed)

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int arr[3] = {2, 4, 6};
```

```
int x = arr[1];
```

```
arr[2] = 0;
```

For loops

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```
unsigned int i;
for(i = 0; i < 10; i++){

...
}
```

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for(i = 0; i < 10; i++){

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}
```

Newer versions of C allow you to create iterative variable inside the loop line

While loops

```
while(condition){

...
}
```

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```
while(condition){

...
}
```

```
int i = 10;

while(i >= 0){

…

i--;
}
```