

EE 200 Lecture 4: **Pointers**

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Type of an expression

Variables have types:

```
int tilapia;  
double anchovy;  
char *halibut;
```

and so do expressions using them:

```
(tilapia + 3.4)  
&anchovy  
*halibut
```

const

Read const expressions from right to left:

```
const int * swordfish;
```

```
int * const tuna;
```

```
const int * const haddock;
```

An example with pointers

checknull.c

C99

A new-ish standard version of C, which includes some helpful features

gcc default:

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

gcc -std=gnu99

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

Just add the `-std=gnu99` flag to your compilation command
We'll do this on the autograder as well

Submitting code

Submit your code by pushing to Github and submitting to Gradescope.

ProTip

Use tabs in vim:

```
:tabnew
```

```
gt, gT
```

Compile from vim:

```
:! gcc....
```

(and we'll learn more tricks next week)

Homework 4 is hosted on Github

You should receive an invite link by email.

Code should be submitted on Gradescope by next Thursday (9/22)

Git command sequence for submitting code is on the website