# Hello, systems; Hello, C

*COSC 208, Introduction to Computer Systems, 2021-08-30*

## Announcements

- Before next class: read DiS sections and answer individually pre-class questions
- Is there any volunteer to switch from 208LC to LB?

## Outline

- Syllabus
- Warm-up: Hello, system
- Hello, C

## Warm-up: Hello, system

- *Q1: What are the main components of a computer system? What is the role of each of them?*

    1.
    2.
    3.
    4.
    5.

- *Q2: What do you think of when you hear the term "Computer Systems"?*

    - 
    - 
    - 
    - 
    - ..

- *Q3: Why is it important to learn about computer systems?*

## Hello, C:

*Q4: What is the output of this program?*

```c
int main() {
    int x = 1;
    int y = 2;
    x = x+5;
    printf("%d ", x);
    x = y*2;
    printf("%d ", x);
    x *= 5;
    printf("%d ", x);
    printf("%d ", x--);
    printf("%d ", x);
    printf("%d ", --x);
    printf("%d", x);
}
```

## Demo

In Visual Studio Code: A C program that prints `"Hello, C!"`. How to compile and run it?

## More practice

*Q5: What is the output of this program?*

```c
int main() {
    int x = 5;
    int y = x/2;
    int z = x%2;
    printf("%d %d\n", y, z);
}
```

*Q6: What is the output of this program?*

```c
int main() {
    int x = 5;
    char y = 'F';
    y = y - x;
    printf("%c %d\n", y, y);
}
```

*Worksheet created by Professor Aaron Gember-Jacobson*