

# CS 260 Homework 1

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## 1 First Section

Numbered Section

### 1.1 Subsection

I am a subsection

### Example of bulleted list

- ice-cream
- soda
- veggies
- pasta
- bread

### Example of numbered list.

1. Data-Structures
2. Web and Mobile app development
3. Systems Programming
4. Design with microcontrollers
5. Transforms
6. Engr 202

## Two paragraphs about me.

Hello, this is Simmy. I like robotics. I have done projects on autonomous drones. I have also tried using Artificial Intelligence on robots. I am part of Drexel Robotics club.

My hobby is reading. I love reading books. I have had different favourites at different times. Little women, Famous five, Harry Potter, The Diary of a Young Girl, Angels and Demons, Pride and Prejudice etc

## Bold and Italics

- **Bold font**
- *Italic font*

## Here is a math equation in a sentence:

1. Example of doing integrals  $\int e^{ik\theta} d\theta$

## Here is a math equation on a line:

$$\sum_{k=1}^n k = \frac{n(n+1)}{2} \quad (1)$$

## Example of align.

$$2x + 3y = 10 \quad (2)$$

$$2x - 3y = 6 \quad (3)$$

$$4x = 16 \quad (4)$$

$$x = \frac{16}{4} \quad (5)$$

$$x = 4 \quad (6)$$

$$6y = 4 \quad (7)$$

$$y = \frac{4}{6} \quad (8)$$

## An inline code block.

```
int sum(int a,int b)
{
    return a+b;
}
```

Here is a pseudocode .

**Data:** integer a and array A as input

**Result:** Find out if a is present in array A

**for**  $i=0, i \leq \text{length}(A)-1, i++$  **do**

**if**  $A[i]==a$  **then**  
        return True;  
    **end**

**end**

return false;

**Algorithm 1:** Searching for a given element in a given array and returning if the element exists in array or not