

CS 260 Homework 1

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July 7, 2017

1 First Section-A section header

Numbered Section

1.1 Subsection-A subsection header

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:

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

Example of align.

$$2x + 3y = 10 \tag{2}$$

$$2x - 3y = 6 \tag{3}$$

$$4x = 16 \tag{4}$$

$$x = \frac{16}{4} \tag{5}$$

$$x = 4 \tag{6}$$

$$6y = 4 \tag{7}$$

$$y = \frac{4}{6} \tag{8}$$

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