

Homework 9

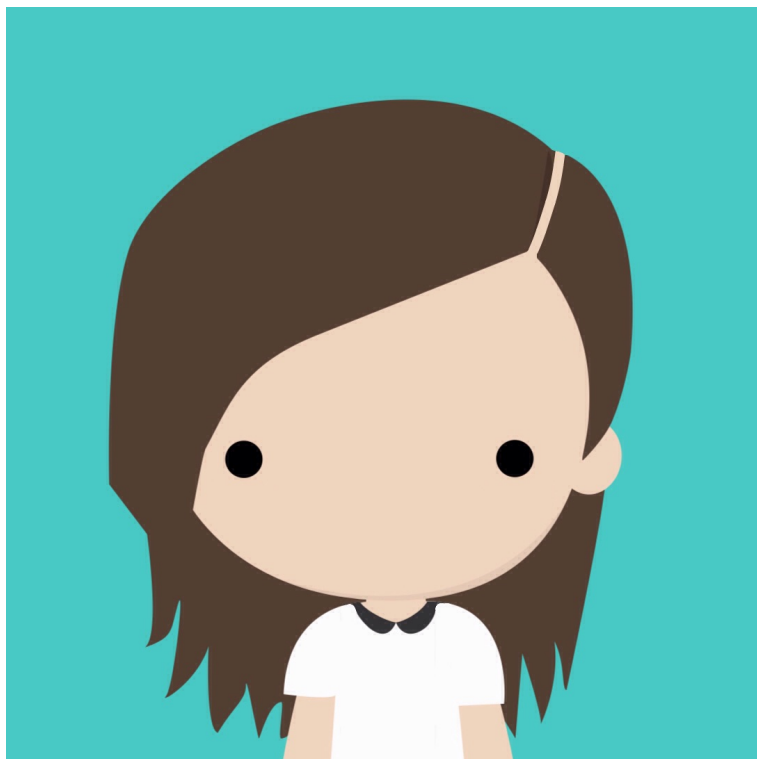
azin alizadeh

December 2020

1 First Section: Text

LaTeX is a high-quality typesetting system;
it includes features designed for the production of technical and scientific documentation

2 Second Section: Image



3 Third Section: Code

```
fun bubbleSort(numbers: IntArray) {  
    for (pass in 0 until (numbers.size - 1)) {  
        // A single pass of bubble sort  
        for (currentPosition in 0 until (numbers.size - pass - 1)) {  
            // This is a single step  
            if (numbers[currentPosition] > numbers[currentPosition + 1]) {  
                val tmp = numbers[currentPosition]  
                numbers[currentPosition] = numbers[currentPosition + 1]  
                numbers[currentPosition + 1] = tmp  
            }  
        }  
    }  
}
```

4 Fourth Section: Math formula

$$f(x) = x^2$$
$$g(x) = \frac{1}{x}$$
$$F(x) = \int_b^a \frac{1}{3}x^3$$

5 Fifth Section: Table

Table 1: Your first table.		
Value 1	Value 2	Value 3
α	β	γ
1	1110.1	a
2	10.1	b
3	23.113231	c