Title

1 Problem 1

Q1. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer non viverra eros, et gravida lorem. Maecenas vel varius neque. Aliquam.

2 Problem 2

Q2. (a) Code example :

```
type t = {name : string ; mutable info : int};
let p = { name = "John"; info = 23 };;
let double_quote = ""
let broken_highlight = ()
```

(b) The complexity of the code is $O(1)$

Q3.
```
def factorial(n:int):
    if n = 0:
        return 1
    else:
        return n * factorial(n - 1)
```

Q4. (a) Let $n \in \mathbb{N}$ ...