

Question 1

This is the question.

- (a) This is a part that requests some Python code.
- (b) This is a second part involving an extremely complicated integral:

$$\int_0^1 \sqrt{\left(\left(\left(\sqrt[3]{27} + 2 \cdot i^2\right) \cdot x\right)^2\right)} dx$$

Solution.

This is the solution.

- (a) This is some Python code

```
1  for i in range(100):
2      print("Hello for the %dth time!" % i)
3      # Comment goes here
```

- (b) This is the solution to part b

Left side of answer

$$\int_0^1 \sqrt{\left(\left(\left(\sqrt[3]{27} + 2 \cdot i^2\right) \cdot x\right)^2\right)} dx = 1$$

Right side of answer

Lorem ipsum dolor

Example  
Image

Figure 1: This is a figure

