Assignment template using LATEX

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Question 1

- (a) $E = mc^2$
- (b) 1



Figure 1: A smily face

(c) print(chr(sum(range(ord(min(str(not())))))))

Question 2

(a)

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(b)

(i)

The pseudocode for Euclid's algorithm is as follows:

Algorithm 1 Euclid's algorithm

Find the greatest common divisor of two numbers.

```
1: procedure EUCLID(a,b)

2: r \leftarrow a \mod b

3: while r \neq 0 do

4: a \leftarrow b

5: b \leftarrow r

6: r \leftarrow a \mod b

7: end while

8: return b

9: end procedure
```

(ii)

The Python code for the Euclid's algorithm is as follows:

```
def euclid(a: int, b: int) -> int:
    r: int = a % b
    while r != 0:
        a, b = b, r
        r = a % b
    return b
```

(iii)

