December 2023 Examinations

CSC 108 H1F

Duration: **3 hours**

Question 1. [3 marks]

Complete the following function according to its docstring.

```
def upper_even(lst: list[str]) -> None:
    """Modify lst so that all strings at an even numbered index in lst are replaced
    with an uppercase version of that string. Note: 0 is an even number

    >>> lst = ['Abc', 'def', 'hello123', 'hi', 'moo!']
    >>> upper_even(lst)
    >>> lst
    ['ABC', 'def', 'HELLO123', 'hi', 'MOO!']
    """

    # Hint: Use a string method to get the uppercase version of a string

    # sample solution
    for i in range(len(lst)):
        if i % 2 == 0:
            lst[i] = lst[i].upper()

     # other solutions exist
     # e.g. using range(0, len(lst), 2) and no if statement, using a while loop
```