

Practical Assignment 8

Question 8.1: Palindrome Test

Create a function that tests whether a word is a palindrome.

Make use of string operations as outlined in Chapter 8

Note: Make sure to use the lower() function to normalize the word.

```
===== RESTART:                                     \Question 1.py
Please enter a word to test whether it is a palindrome: palindrome
'palindrome' is not a palindrome

===== RESTART:                                     \Question 1.py
Please enter a word to test whether it is a palindrome: Racecar
'Racecar' is a palindrome
```

Question 8.2: Language conversion

Write a function that takes a string (sentence) and convert it to “Mxit Language”.

Mxit language is when all the vowels (a, e, i, o, u) are removed from a sentence.

Make use of string operations as outlined in Chapter 8

E.g., “Hello, my name is John Doe. Nice to meet you!” Is converted to: “Hll, my nm s Jhn D. Nc t mt y!”

```
Please enter a sentence: Hey! What are you doing today?
The Mxit Language: 'Hy! Wht r y dng tdy?'
```

Question 8.3: Split Email Address

Write a function that takes an email address as a string and split it into 2 parts (separated with a @)

Make use of string operations as outlined in Chapter 8

```
Enter your email: JohnDoe@gmail.com
Your username is: JohnDoe and your domain is: gmail.com
```

Rubric		
Question	Criteria	Marks
8.1	Receive user input	1
	is_palindrome() function with argument	2
	Normalize the word	1
	Use loop to test whether word is palindrome	2
	Print result	1
	Did not use string operations	-7
8.2	Receive user input	1
	mxit_language() function with argument	2
	Use loop to iterate through sentence and remove vowels	3
	Print result	1
	Did not use string operations	-7
8.3	Receive user input	1
	split_email() function with argument	2
	Use split() function	2
	Print username and domain separately	1
	Did not use string operations	-6
Other	Incorrect naming convention (studentNumber_Question8.1.py)	-1
	No comments used	-1
	Program does not compile and run	-1 (Per Question)
	Total	20