

Practical-7 Python code using PEP8

PEP 8 is a document that provides guidelines and best practices on how to Write Python code. It was written in 2001 by Guido van Rossum, Barry Warsaw, and Nick Coghlan. The primary focus of PEP 8 is to improve the Readability and consistency of Python code. PEP stands for Python Enhancement Proposal, and there are several of them. A PEP is a document. That describes new features proposed for Python and documents aspects of Python, like design and style, for the community.

#The following program is written following the PEP8 rules:

```
1 """ This is the third test """
2 import string
3 SHIFT = 3
4 CHOICE = input("would you like to encode or decode?")
5 WORD = input("Please enter text")
6 LETTERS = string.ascii_letters + string.punctuation + string.digits
7 ENCODED = ''
8 if CHOICE == "encode":
9     for letter in WORD:
10         if letter == ' ':
11             ENCODED = ENCODED + ' '
12         else:
13             x = (LETTERS.index(letter) +
14                 SHIFT)
15             ENCODED = ENCODED + LETTERS[x]
16 if CHOICE == "decode":
17     for letter in WORD:
18         if letter == ' ':
19             ENCODED = ENCODED + ' '
20         else:
21             x = LETTERS.index(letter) - SHIFT
22             ENCODED = ENCODED + LETTERS[x]
23
24 print(ENCODED)
```