Lab #30

Programming and Algorithms

In the following questions, use this Python Code to test your answers:

import re

search\_string = "hello world"

pattern = XXXXXXXXXXXXXX

match = re.match(pattern, search\_string)

if match:

print("regex matches1")

# ENDIF;

# END.

1. Design a pattern that will except either “hello world” or “goodbye world” and will return the string "regex matches 1"
2. Design a pattern that will except “hello wwwwwwwworld” or any number of “w”’s in world, and will return the string "regex matches 2"
3. Design a pattern that will except “hello wwwwwwwworld” with exactly seven (7) “w”’s in world, and will return the string "regex matches 3"
4. Design a pattern that will except “hello wwwwwwwworld” with between five (5) and seven (7) “w”’s in world, and will return the string "regex matches 4"
5. Design a pattern that will except “http://www.dit” or “http://www.dit.ie” or “http://www.cs.dit.ie”, and will return the string "regex matches 5"

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| e-mail me a completed solution to each of the above programs in a Word document, and include Labs #25-29 in this document also.  e-mail to [Damian.Gordon@dit.ie](mailto:Damian.Gordon@dit.ie) with subject heading “DT255 PaA Lab #25-30” |