

Here is the hashtag segmentation algorithm from class that you have to implement for your Assignment#3:

```
segment(hashtag, dictionary)
  // hashtag is a case-folded string. e.g.
  // "brynmawrcollege" => ["bryn", "mawr", "college"]
  // "nflplayoffs" => ["n", "f", "l", "playoffs"]

  n = length(hashtag)
  start = 0
  words = []

  while start < n do
    match = false
    i = n

    while i > 0 do
      if hashtag[start:i] is in dictionary then
        match = true
        words = words + hashtag[start:i]
        start = i
        break

      i = i - 1

    if not match then
      words = words + hashtag[start]
      start = start + 1

  return words
```