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In [39]: | def detect_keywords(text):
              arr = []
              for word in text:
                  if word in keywords:
                      arr.append(word)
              return list(set(arr))
         def detect_operators(text):
                      arr = []
                      for word in text:
                          if word in operators:
                              arr.append(word)
                              return list(set(arr))
         def detect_delimiters(text):
                              arr = []
                              for word in text:
                                  if word in delimiters:
                                      arr.append(word)
                                      return list(set(arr))
         #if we want to add Special_Characters
         def Special Characters(text):
              arr = []
              for word in text:
                  if word in Special Characters:
                      arr.append(word)
                      return list(set(arr))
         def detect num(text):
              arr = []
              for word in text:
                  try:
                      a = int(word)
                      arr.append(word)
                  except:
                      pass
                  return list(set(arr))
         def detect_identifiers(text):
              k = detect_keywords(text)
              o = detect_operators(text)
              d = detect_delimiters(text)
              n = detect num(text)
              s = detect_Special_Characters(text)
              not_ident = k + o + d + n + s
              arr = []
              for word in text:
                  if word not in not_ident:
                      arr.append(word)
                      return arr
                  with open(r'C:\Users\user\Desktop\NAWAFALJABR') as t:
                      text = t.read().split()
                      print("Keywords: ",detect_keywords(text))
                      print("Operators: ",detect_operators(text))
```

	<pre>print("Delimiters: ",detect_delimiters(text)) print("Identifiers: ",detect_identifiers(text)) print("Numbers: ",detect_num(text)) print("Special_Characters: ",detect_Special_Characters(text))</pre>
In []:	
In []:	