

Part B:

```
print("Text1:", text_match("Cats are smarter than dogs"))
print("Text2:", text_match("abc"))

# The following is the code to modify.
# Open file (please download the sample input file from Canvas.)
f = open('test1.txt', 'r')
data=f.read()
strings = re.findall("mask.", data)
#case sensitive
print ("Search1: mask or masks", strings)
strings = re.findall(r'\bfor\w*', data)
print ("Search2: words start with 'for': ", strings)
strings = re.findall(r'\w*ies\b', data)
print ("Search3: words end with 'ies': ", strings)
strings = re.findall(r'\bi\w*t\b', data)
print ("Search4: words begin with 'i' and end with 't': ", strings)
```

```
Text1: ('ab\\w+', 'Cats are smarter than dogs', 'Not matched!')
Text2: ('ab\\w+', 'abcccccccccccccccccccccccc', 'Found a match!')
Search1: mask or masks ['masks', 'mask ', 'mask ', 'mask ', 'mask ']
Search2: words start with 'for': ['forward', 'for', 'for', 'for']
Search3: words end with 'ies': ['activities', 'authorities']
Search4: words begin with 'i' and end with 't': ['it', 'important', 'input']
```