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import re
def warmup1():
  input=" A A AAA AAAAAA"
  m=re.search(r"(\sA{2,5}\s)",input)
  if m:
    print(m.groups())
  else:
    print("Not found")

def warmup2():
  input=" 12.35 is a float"
  m=re.sub(r"(\d+\.\d+)","float",input)
  if m:
    print(m)
  else:
    print("Not found")

def warmup3():
  input=" 12.35 and 1.35 are floats"
  m=re.subn(r"(\d+\.\d+)","float",input)
  if m:
    print(m)
  else:
    print("Not found")

def warmup4():
  input=" 1 2 3 4 5 6 string "
  m=re.findall(r"([0-9]+)",input)
  if m:
    print(sum([int(item) for item in m])/len(m))
  else:
    print("Not found")

def warmup5():
  input="ECE364 ECE364 ECE264"
  m=re.sub(r"ECE\d{3}","ECE461",input,1)
  if m:
    print(m)
  else:
    print("Not found")

def warmup6():
  input=" 128.210.011.007 0.0.0.0 3132.132.3213213.23132 "
  m=re.findall(r"(\d{0,3}\.\d{0,3}\.\d{0,3}\.\d{0,3})",input)
  if m:
    print(m)
```

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else:
    print("Not found")
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7.

1. Search for character “e” or “E” inside the input string
2. Find whether the input string start with pattern “something is a something” where something can be any string
3. Find whether the input string start with pattern “something is a something” where something can be any string with defining the three groups’ names as “First” “Second” and “Third”
4. Search for pattern “ I like you” where like must be repeated 10 more times and you can be repeated 1 or 2 times inside the input string