

```

1  import os
2  import xml.etree.ElementTree as ET
3
4  rootDir = os.path.dirname(os.path.abspath(__file__))
5  xmlFiles = []
6
7  walkObj = os.walk(rootDir)
8  temp = walkObj.next()
9  root = temp[0]
10 dir = temp[1]
11 files = temp[2]
12
13 for file in files:
14     if file.endswith('.xml'):
15         xmlFiles.append(rootDir + '\\\\' + file)
16
17 Value = []
18 for file in xmlFiles:
19     tree = ET.parse(file)
20     root = tree.getroot()
21
22     for child in root:
23         if child.tag == 'processors':
24             new_child = child
25             for sub_child in new_child:
26                 if sub_child.tag == 'baseUnits' or sub_child.tag ==
                    'BaseUnitClusters':
27                     if sub_child.tag == 'baseUnits':
28                         for sub_sub_child in sub_child:
29                             if sub_sub_child.tag == 'name':
30                                 name = sub_sub_child.attrib.values()
31                                 Value.append(str(name[0]))
32
33                     if sub_child.tag == 'BaseUnitClusters':
34                         for sub_sub_child in sub_child:
35                             for sub_sub_sub_child in sub_sub_child:
36                                 if sub_sub_sub_child.tag == 'name':
37                                     name = sub_sub_sub_child.attrib.values()
38                                     Value.append(str(name[0]))
39
40 print(Value)
41 print(len(Value))
42
43
44

```