```
import json
json_data = open('/data-text.json').read()
data = json.loads(json_data)
for item in data:
  print(item)
    : 'Life expectancy at birth (years)',
                                            'PUB
      'Life expectancy at birth (years)
                                            'PUB
      'Life expectancy at age 60 (years)',
                                             'PU
                                             'PU
      'Life expectancy at age 60 (years)'
                                            'PUB
     'Life expectancy at birth (years)',
      'Life expectancy at birth (years)'
                                            'PUB
     'Life expectancy at birth (years)'
                                            'PUB
     'Life expectancy at birth (years)'
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                                             'PU
      'Life expectancy at age 60 (years)'
     'Life expectancy at birth (years)',
                                            'PUB
      'Life expectancy at birth (years)'
                                            'PUB
     'Life expectancy at birth (years)'
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      'Life expectancy at age 60 (years)'
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      'Life expectancy at birth (years)'
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      'Life expectancy at birth (years)'
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     'Life expectancy at birth (years)'
                                            'PUB
                                            'PUB
      'Life expectancy at birth (years)'
     'Life expectancy at age 60 (years)'
                                             'PU
    : 'Life expectancy at age 60 (years)'
     'Life expectancy at birth (years)',
                                            'PUB
```

File "<tokenize>", line 31 record •••



You

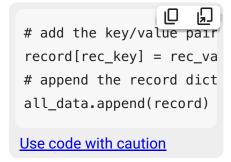
Please explain the error:

```
File "<tokenize>", line
    record[rec_key] = rec_
    ^
IndentationError: unindent
```



Colab Al

The indentation error occurred because the line record [rec\_key] = rec\_value is indented one level more than the previous line. To fix this, the indentation of this line should be reduced by one level.



The corrected code:

```
parses an XML file, extrorganizes the data into

from xml.etree import El
```

: 'Life expectancy at age 60 (years)', 'PU

```
'Life expectancy at age 60 (years)',
                                        ' PU
 'Life expectancy at age 60 (years)',
                                        ' PU
 'Life expectancy at age 60 (years)',
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: 'Life expectancy at age 60 (years)'
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: 'Life expectancy at birth (years)',
                                       'PUB
: 'Life expectancy at birth (years)'
                                       'PUB
: 'Life expectancy at age 60 (years)', 'PU
: 'Life expectancy at birth (years)', 'PUB
```

```
# harse rije vije itre
tree = ET.parse('/data-t
# get the root element
root = tree.getroot()
# find the 'Data' elemen
data = root.find('Data')
# create an empty list t
all data = []
# loop through each 'obs
for observation in data:
  # create a dictionary
  record = {}
  # loop through each it
  for item in observatio
    # determine the key
    lookup_key = list(it
    # if the record is N
    if lookup key == 'Nu
      rec_key = 'NUMERIC
      rec_value = item.a
    else:
      # if the not Numer
      rec key = item.att
      rec_value = item.a
    # add the key/value
    record[rec_key] = re
  # append the record di
  all_data.append(record
# print the list of data
print(all_data)
```

Use code with caution

```
111111
parses an XML file, extracts specific data from
organizes the data into a list of dictionaries
from xml.etree import ElementTree as ET
# parse the XML file
tree = ET.parse('/data-text.xml')
# get the root element
root = tree.getroot()
# find the 'Data' element within the root
data = root.find('Data')
# create an empty list to store the data
all data = []
# loop through each 'observation' element withi
for observation in data:
 # create a dictionary
  record = \{\}
 # loop through each item with the observation
  for item in observation:
    # determine the key based on the attribute
    lookup_key = list(item.attrib.keys())[0]
    # if the record is Numeric, set the record
    if lookup_key == 'Numeric':
      rec key = 'NUMERIC'
      rec value = item.attrib['Numeric']
    else:
      # if the not Numeric, set the record key
      rec key = item.attrib[lookup key]
      rec_value = item.attrib['Code']
    # add the key/value pair to the dictionary
    record[rec_key] = rec_value
 # append the record dictionary to the list of
  all_data.append(record)
# print the list of data
print(all_data)
```

[{'PUBLISHSTATE': 'PUBLISHED', 'YEAR': '19