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This CGI script obtains all the entries from the BL layer and formats them for
HTML display as a table
# Add the bl sub-directory to the module path
# and the directory above to import the config file
import sys
sys.path.insert(0, "../bl/")
sys.path.insert(0, "../")
                  # Import the CGI module
import cgi
import blapi dummy
                            # Import the Business Logic API
import htmlutils # Import HTML utilities
import config # Import configuration information (e.g. URLs)
form = cqi.FieldStorage()
accession = str(form.getvalue('ac'))
codon_count_table = blapi_dummy.codon_count(accession)
dna string = blapi dummy.CDS DNA string(accession)
se_string = blapi_dummy.sticky_ends_inplace(accession)
exons = blapi_dummy.exon_string(accession)
html = htmlutils.header()
html += "<h1>Detailed Genbank Results</h1>\n"
html += ' \n'
html += "Result of search for Accession Number: </
td>" + "" + accession + ""
html += "Protein Product Name: " + "" + "" + "" + "" + "" + "" + "" + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " + " " " " + " " " + " " " + " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " "
blapi_dummy.ppn(accession) + ""
html += "Gene ID: " + "" +
blapi_dummy.gene_id(accession) + ""
html += "Chromosomal Location: " + ""
+ blapi dummy.chrom loc(accession) + ""
blapi_dummy.CDS_aa_string(accession) + ""
html += " \n"
#dna string details
html += "<h3>CDS DNA String</h3>\n"
html += ' \n'
html += ''
for n in dna string:
   html += "" + n + ""
html += ""
```

#!/usr/bin/python3

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html += ''
for se in se_string:
  html += "" + se + ""
html += ""
html += ''
for n in exons:
  html += "" + n + ""
html += ""
html += " \n"
#Codon counting
html += "<h3>Codon Frequency in CDS DNA String</h3>\n"
html += ' \n'
html += ''
x = 0
for codon in codon count table:
  if x \% 10 == 0:
    html += ""
    html += ""
  html += "" + codon + ""
  x += 1
html += ""
html += " \n"
html += "Key: <br>"
html += "Count of Codons in genbank entry (1st Number) <br/> <br/> "
html += "% of codon found in entry (1st percentage) <br/> <br/>"
html += "% of codon found across all chromosome coding regions in database (2nd percentage)
<br>"
html += htmlutils.footer()
print(html)
```