Pseudo code

The following pseudo code will explain how the python program will work

#Python section#

Create a temporary variable called 'myfile'. Using this variable, assign it to only read a text file called 'ISBN.txt'. The myfile variable now obtains the information from the ISBN.txt file but it is not allowed to edit the txt.file.

Create a new variable called 'contents'. Using this variable, assign it to create and edit a html page called 'WEBPAGE.html'. This html page will display the information from the ISBN.txt file.

#Html section#

Add an html tag.

(<html>)

Add a body tag and use a style within this tag to edit the background of the webpage. Set the background colour to 'light green'.

(<body style=background-color:lightgreen;>)

#Styles for header and footer within html page#

Add a header for the website. Additionally, within the header, add a style to edit the design of the header. This includes editing the; contrast, location and colour for the border around the header.

(<style>header {border-bottom: 10px solid green;border-left: 10px solid green;border-right: 10px solid green; padding: 30px;}</style>)

Add a footer for the website. Within the footer, add a style to edit its design which includes editing the; contrast, location and colour for the border around the footer.

(<style>footer {border-top: 10px solid green;border-left: 10px solid green;border-right: 10px solid green; padding: 30px;}</style>)

#Html section with content displayed#

Add a title tag and use 'ISBN content' as the title of the webpage.

(<title> ISBN content </title>)

For the name of the header, use 'Book covers' and edit the design of the text for the header when displayed on the webpage. Such as; text alignment, contrast, and font type.

(<header style=text-align:center;font-family:verdana;font-size:350%;>Book Covers</header>)

Add a paragraph tag and use the following sentence; 'Below are the book covers for the ISBN numbers obtained from the ISBN.txt file.'. Additionally, edit the design of the text such as the font type and contrast.

(Below are the book covers for the ISBN numbers obtained from the ISBN.txt file.)

#Python section#

Create and use an array called 'arrstr' to read and display the information from the myfile variable (myfile has information from the ISBN.txt file). The arrstr array will be used to produce image covers based on the ISBN numbers within the myfile variable.

```
arrstr = myfile.readlines()      #Creates an array where each line becomes something#
for arrs in arrstr:              #For arrs that are within arrstr; do the following#
  print (arrs)                   #Print content in arrs within terminal#
```

Create an img src tag to retrieve the images from arrs contents (ISBN numbers from ISBN.txt file) using OpenLibrary website. A URL link is used so if the internet is not used by the user, the images will not be displayed on the webpage. Additionally, within the img src URL, two curly brackets ({}) will be used to locate the arrs variable containing the ISBN numbers. Also, the width and height of the images will be adjusted based on the style used.

contents.write('<imgsrc="http://covers.openlibrary.org/b/isbn/{}-L.jpg" width="400" height="600"/><pre></pre>'.format(arrs))

#Html section with content displayed#

For the name of the footer, use the following sentence; 'Done by: Lohan Angammana (u3178318)'. Additionally, edit the design of the text for the footer when displayed on the webpage. Such as; text alignment, font type, and contrast.

(<footer style=text-align:center;font-family:verdana;font-size:130%;>Done by: Lohan Angammana (u3178318) </footer>)

#Html section#

Close the html and body tags.

```
("</body>")

("</html>")
```

#Python section#

End the python file code by closing the first two variables that were created at the start of making the python file.

```
myfile.close()

contents.close()
```