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Assessment Task – Portfolio (A 5)

Web Programming

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# Static Analysis Tools

## PEAR for PHP

Firstly, an observation:

* Netbeans formatter is not PEAR compatible.
  + The indenting of split lines for one thing.
* Unreasonably short line length requirement – 85 characters!

Now, to use this (in Netbeans), required configuring Netbeans to access all the programs:

* Code Analysis:
  + Code Sniffer: phpcs.phar
  + Coding Standards Sniffer: php-cs-fixer.phar
  + Mess Detector: phpmd.phar
  + PHPStan: phpstan.phar
* Frameworks & Tools:
  + PHP CS Fixer: php-cs-fixer.phar
  + phpDocumentor: phpDocumentor.phar

To use open ‘.php’ file in editor, then select in menu: ‘Source/Inspect…/

* Scope: Current file …
* Use: Configuration: Code Sniffer
* Click: Inspect

Then check out the information displayed in both the **Output** window and the **Inspect** window.

I basically ignored any WARNINGS produced as they were either line length related or had to do with an invalid Version tag.

Also, I had to change Netbeans ‘Format on Save’ options to NOT format the entire PHP document. Then, I used the PHP CS Fixer to actually fix most of the problems related to formatting.

# Run Website

Table : Run results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Case | Description | Expected | Actual | Evidence |
| #1 | Connect to “Random Integer Report” using Firefox on Linux | Display Bar Chart page | As expected | Figure 1  Figure 2 |
| #2 | Change colours and refresh page | Display new Bar Chart page | As expected | Figure 3  Figure 4 |
| #3 | Connect to “Random Integer Report” using Firefox on Linux | Display each quote, one at a time | As expected | Figure 5  Figure 6 |

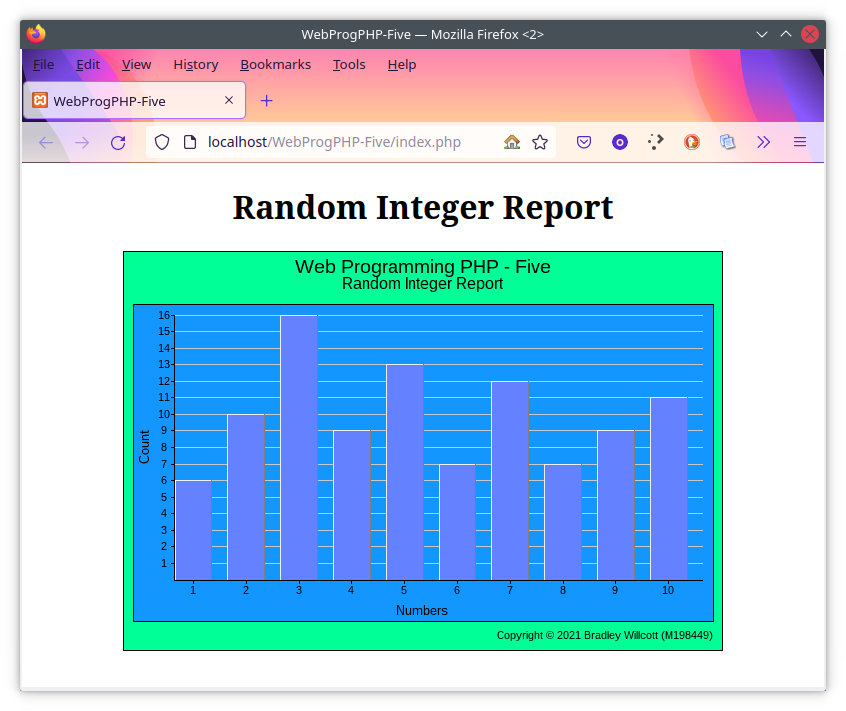


Figure – Random Integer Report

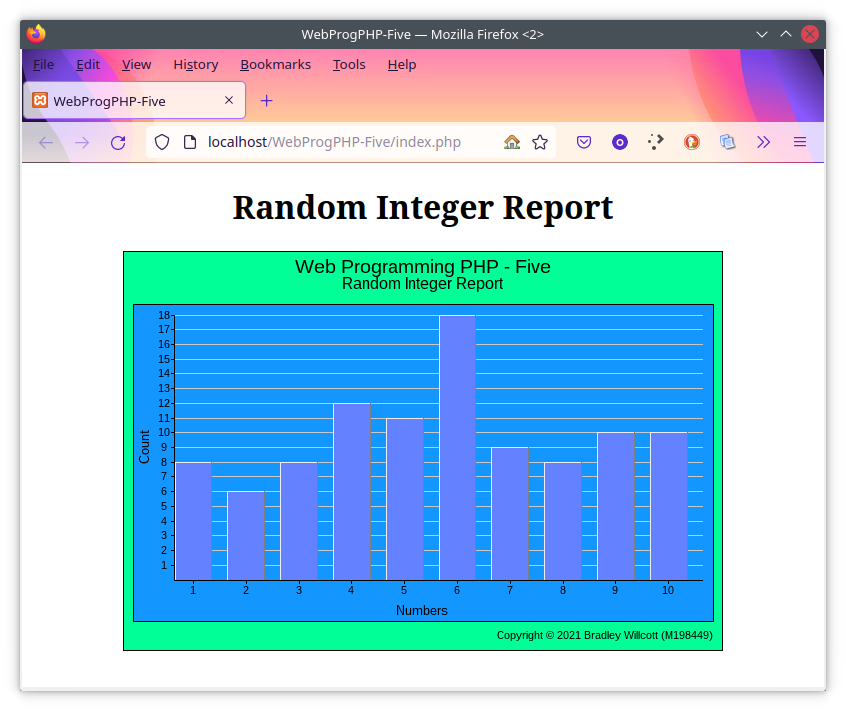


Figure – Refresh page

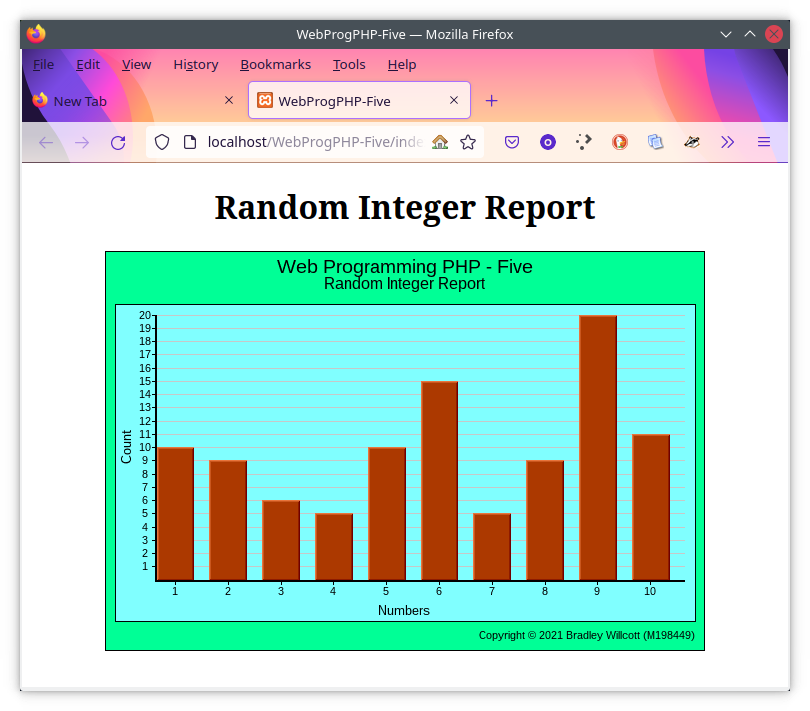


Figure – Refresh page after change of colours

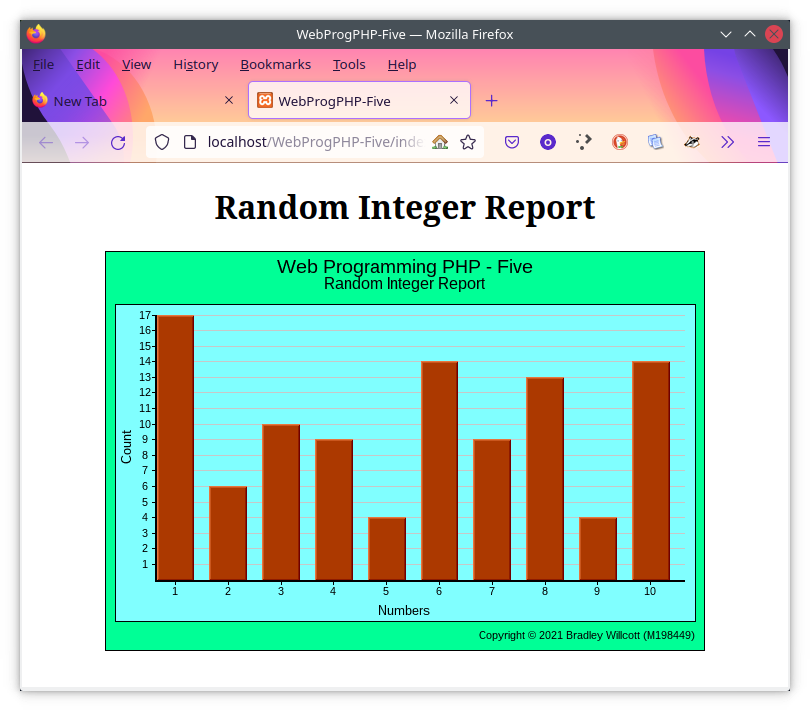


Figure 4 - Refresh page

Graphical user interface, application

Description automatically generated

Figure 5 - Microsoft Edge under MS Windows 10

Graphical user interface, application

Description automatically generated

Figure 6 - Refresh MS Edge

# References