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| **INFO 2302: WEB TECHNOLOGIES**  **Activities for CSS: 03 Responsive design** | | | |
| NAME | Mohamad Imad Addin Bin Ja’far | | |
| MATRIC NO | 2127923 | SECTION | 6 |

Instruction: -

1. Please download the file CSS03.zip
2. Unpackage the content into a folder
3. Write the codes and remarks about what have changed in the web browser.

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| INSTRUCTIONS | CODE | REMARKS |
| Download grid.html and mymq.css |  | You will be learning how to use media queries |
| External link | Create the link to mymq.css in grid.html |  |
| This is the layout for desktop first with 4 column | display: grid;      gap: 20px;      grid-template-areas:      "head head head head"      "navi navi navi navi"      "content content content side"      "foot foot foot foot"      ;      grid-template-columns: 1fr 1fr 1fr 1fr; |  |
| Open grid.html in the browser.  Choose inspect mode  Choose responsive design mode, and try different resolutions |  |  |
| Adjust the layout for tablet design with 2 column | *@media* (max-width: 768px) {      .container {          grid-template-areas:          "head head"          "navi side"          "content content"          "foot foot";          grid-template-columns: 1fr 1fr;      }  } | The navigation and aside sections occupy one column each, allowing for a more compact display, while the content area still spans both columns for readability. |
| Adjust the layout for phone design with 1 column | *@media* (max-width: 475px) {      .container {          grid-template-areas:          "head"          "navi"          "content"          "side"          "foot";          grid-template-columns: 1fr;      }  } | The header, navigation, content, aside, and footer all occupy the full width, making it easy to scroll through and read on smaller screens. |
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| Choose the breakpoint for your media queries that can fit the tablet and phone and copy the above grid layout for tablet and phone.  Write the code into the mediaqueries curly bracket and | /\* 2xl \*/  @media (max-width: 1536px) {}  /\* xl \*/  @media (max-width: 1280px) {}  /\* lg \*/  @media (max-width: 1024px) {}  /\* md \*/  @media (max-width: 768px) {}  /\* sm \*/  @media (max-width: 640px) {}  /\* xs \*/  @media (max-width: 475px) {} |  |
| Use the responsive design mode to test your responsive design layout using grid |  |  |
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