BABBAGE WEB PAGE

12/11/2021

1. Create a new page for your website called

   babbage.html

   You can do this by copying your existing index.html or page2.html and renaming the file.

   Make sure it's called babbage.html and *not* babbage.html.txt

2. Open the page in Notepad or Visual Studio Code and add a "Charles Babbage" header to the page using the h2 tag
   For help see: https://www.w3schools.com/html/html_headings.asp

3. Uses some of these facts to add to your page in an HTML table
   For help see: https://www.w3schools.com/html/html_tables.asp

- **1791** - Born in London, Great Britain.
- **1810** - Begins studying at the University of Cambridge.
- **1814** - Received his degree in Mathematics.
- **1816** - Published a translation from French of the lectures of Sylvestre Lacroix, which was then the state-of-the-art calculus textbook.
- **1821** - Formulates the idea for mechanical computation.
- **1822** - Began work on the difference engine to compute values of polynomial functions; to calculate a series of values automatically. Construction was never completed.
- **1824** - Receives Gold Medal from the Astronomical Society for "for his invention of an engine for calculating mathematical and astronomical tables" (the Difference Engine).
- **1828** - Becomes Professor at University of Cambridge
- **1834** - Begins work on the Analytical Engine (the successor to the Difference Engine), making it the first design for a general-purpose computer. Construction would not be completed until the 1940's.
- **1871** - Dies at the age of 79 in London

4. Add to the page a description of Difference Engine no.2 using a series of items to contain these bullets:

   For help see: https://www.w3schools.com/html/html_lists.asp

   They can be numbers or bullets

- Calculations involving complex functions, such as trigonometric calculations, could only be done with the aid of a set of printed tables, which had been pre-computed by hand and contained many errors

- Designed by Charles Babbage in 1848 with 8,000 parts

- UK Government declined to fund the building of it as Babbage didn't finish No. 1!

- The detailed drawings were found in the Science Museum in 1985. Took 7 years to build as was completed in 1991 (200 years after he was born) – it works!

- Weighs 2 tonnes, is 3.5m long and 2.4m high

- Calculates polynominal numbers to 31 decimal places

- Difference Engine No. 2 was designed to calculate a new number when the
handle was turned

- It then "prints" the number into a stereotype which could be turned into a printing
plate when the page was full

5. Add some of the Babbage images to the page

https://crowers.co.uk/homeed/projects/babbage/Babbage_Difference_Engine.jpg

https://crowers.co.uk/homeed/projects/babbage/320px-Charles_Babbage_1860.jpg

https://crowers.co.uk/homeed/projects/babbage/LondonScienceMuseumsReplicaDifferenceEngine.jpg

6. Finally open your index.html and just before the last </body> tag add this then save the file:

Charles Babbage

7. Test your webpage to make sure it's working!