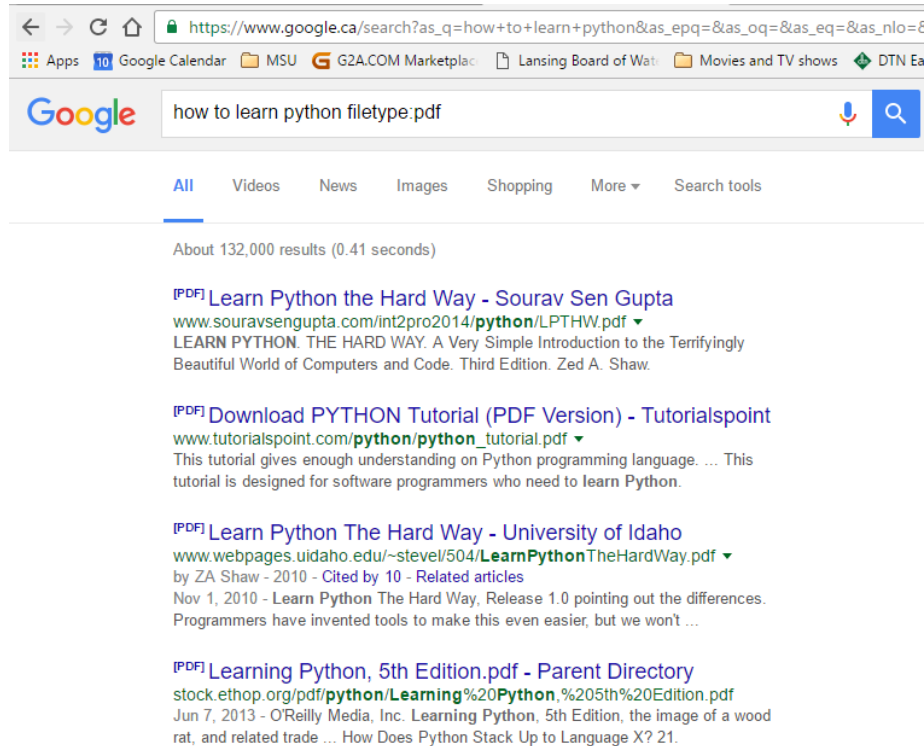


CSE 201 Homework #1

2.



3.

Cloud Computing: The concept of storing and accessing data, files, programs over the internet. They are usually stored on offsite servers instead of locally on your computer's HDD. Examples of cloud services include Google Drive, Drop Box and OneDrive.

<http://www.pcmag.com/article2/0,2817,2372163,00.asp>

Web Client: An application that is able to connect to a web server and send or receive data to or from that server. A popular example is a web browser such as google chrome

<https://www.techopedia.com/definition/24352/web-client-j2ee>

Web Server: Is a program that hosts the files and information that web clients would want to use. Web servers and web clients communicate over HTTP or Hypertext Transfer Protocol.

<http://whatis.techtarget.com/definition/Web-server>

4.

Set: {1,2,3,4,5,6,}

Subsets: {1} {2} {3} {4} {5} {6} {1,2} {1,3} {1,4} {1,5} {1,6} {2,3} {2,4} {2,5} {2,6} {3,4} {3,5} {3,6} {4,5} {4,6} {5,6} {1,2,3,4,5,6} {}

5.

$$\left\lceil \frac{197}{4} \right\rceil + \left\lfloor \frac{-2021}{2} \right\rfloor + \lceil 3804.85 \rceil = \lceil 49.25 \rceil + \lfloor -1010.5 \rfloor + 3805 = 50 - 1011 + 3805 = 2844$$

6.

$$20172016 = 203 \times 99369 + 109$$

Quotient = 99369 Remainder = 109

7.

$$\begin{aligned} & \lceil \log_2 2907 + 25 \log_{10} 7903 - 2 \ln 902 \rceil \\ &= \left\lceil \frac{\ln 2907}{\ln 2} + 25 \frac{\ln 7903}{\ln 10} - 2 \ln 902 \right\rceil \\ &= \lceil 95.34088587 \dots \rceil = 96 \end{aligned}$$

8.

$$\begin{aligned} S &= \sum_{n=0}^7 (5n^2 - 2) \\ &= (5 \times 1^2 - 2) + (5 \times 2^2 - 2) + \dots + (5 \times 7^2 - 2) = 684 \end{aligned}$$