Sample Course Name

Week-1 (Sample Course Note)

Spring Semester, 2021-2022

Download DOC, SLIDE, PPTX

Outline

- Using Google

How can google be used?

Sample Topic

- **What is Google?**
  It has been referred to as the "most powerful company in the world. and one of the world's most valuable brands due to its market dominance, data collection, and technological advantages in the area of artificial intelligence.Its parent company Alphabet is considered one of the Big Five American information technology companies, alongside Amazon, Apple, Meta, and Microsoft.
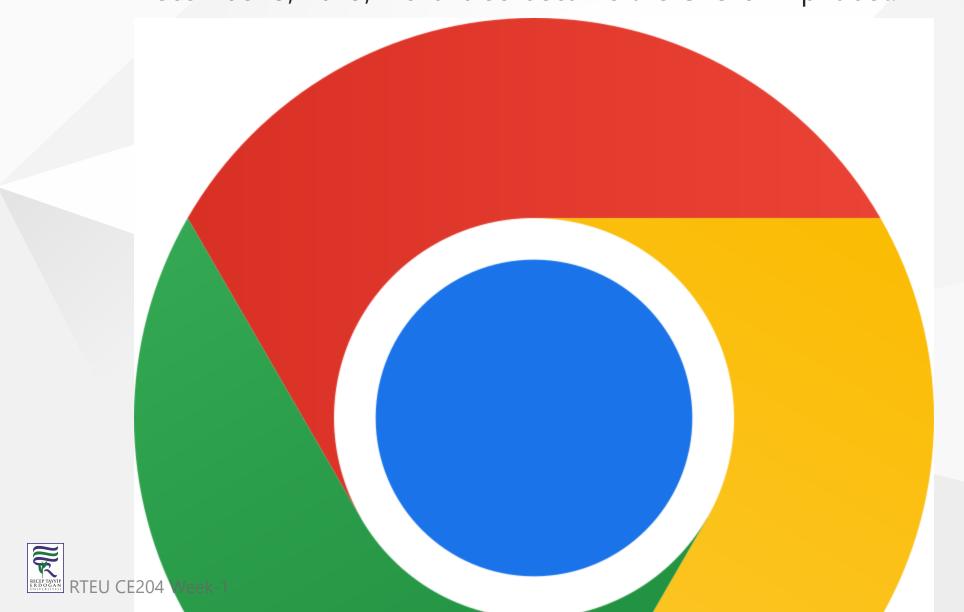
Google was founded on September 4, 1998, by Larry Page and Sergey Brin while they were PhD students at Stanford University in California. Together they own about 14% of its publicly listed shares and control 56% of the stockholder voting power through super-voting stock. The company went public via an initial public offering (IPO) in 2004.

Internet properties and interests. Sundar Pichai was appointed CEO of Google on October 24, 2015, replacing Larry Page, who became the CEO of Alphabet. On December 3, 2019, Pichai also became the CEO of Alphabet.

Sample Images-3

- **What is Google?**
Google Chrome is one of the most popular web browsers because of its fast performance, stability, efficiency, and top-notch security. And if you use Gmail, Chrome makes the transition from checking your email to surfing the web seamless.

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Sample Images-4

- **How is download Google ?**

  Go to Google Chrome internet. You can use any internet browser to download Google Chrome. If you haven't installed a browser, you can use the operating system's pre-installed internet browser (Internet Explorer for Windows and Safari for Mac OS X).

$$\underbrace{\begin{array}{c}\text{compute } m[i, i+1]\\ \{m[1,2], m[2,3], \ldots, m[n-1, n]\}\end{array}}_{(n-1) \text{ values}} \left\{ \begin{array}{l} \text{for } i = 1 \text{ to } n - 1 \text{ do}\\ \quad m[i, i+1] = \infty \qquad (1)\\ \qquad \text{for } k = i \text{ to } i \text{ do}\\ \qquad\qquad \vdots \end{array} \right.$$

$$\underbrace{\begin{array}{c}\text{compute } m[i, i+2]\\ \{m[1,3], m[2,4], \ldots, m[n-2, n]\}\end{array}}_{(n-2) \text{ values}} \left\{ \begin{array}{l} \ell = 3\\ \text{for } i = 1 \text{ to } n - 2 \text{ do}\\ \quad m[i, i+2] = \infty \qquad (1)\\ \qquad \text{for } k = i \text{ to } i + 1 \text{ do}\\ \qquad\qquad \vdots \end{array} \right.$$

$$\underbrace{\begin{array}{c}\text{compute } m[i, i+3]\\ \{m[1,4], m[2,5], \ldots, m[n-3, n]\}\end{array}}_{(n-3) \text{ values}} \left\{ \begin{array}{l} \ell = 4\\ \text{for } i = 1 \text{ to } n - 3 \text{ do}\\ \quad m[i, i+3] = \infty \qquad (1)\\ \qquad \text{for } k = i \text{ to } i + 2 \text{ do} \end{array} \right.$$

$$c[i, i - 1] \leftarrow 0$$

$$c[i, i] \leftarrow p[i]$$

$$R[i, j] \leftarrow i$$

$$PS[1] \leftarrow p[1] \Longleftarrow PS[i] \rightarrow \text{ prefix-sum } (i) : \text{Sum of all } p[j] \text{ values for } j \leq i$$

for $i \leftarrow 2$ to n do

$$PS[i] \leftarrow p[i] + PS[i - 1] \Longleftarrow \text{compute the prefix sum}$$

for $d \leftarrow 1$ to $n - 1$ do $\Longleftarrow$ BSTs with $d + 1$ consecutive keys

for $i \leftarrow 1$ to $n{-}d$ do

$$j \leftarrow i + d$$

$$c[i, j] \leftarrow \infty$$

for $r \leftarrow i$ to j do

$$q \leftarrow min\{c[i, r - 1] + c[r + 1, j]\} + PS[j]{-}PS[i - 1]\}$$

if $q < c[i, j]$ then

$$c[i, j] \leftarrow q$$

TODO UPDATE CONTENT FOR YOUR COURSE NOTES

References

- https://www.wikihow.com/images/thumb/3/31/Download-and-Install-Google-Chrome-Step-2-Version-3.jpg/v4-728px-Download-and-Install-Google-Chrome-Step-2-Version-3.jpg

- Google - Wikipedia

- https://lh3.googleusercontent.com/O53jgarLMMs6WBjROWgvDFWD1SrzVxc3yLfpI8Lk7_2zUwmgzDi4T-y3QxFTABRkzXKG385ZSkknvOcbL0dt0S5XiAAqEzUO06gy6koJDSCxLERtlJw

- https://storage.googleapis.com/gweb-uniblog-publish-prod/images/Chrome__logo.max-500x500.png

- https://i.bigpara.com/resize/650x365/i/55big/google_650.jpg

$$End - Of - Week - 1 - Module$$