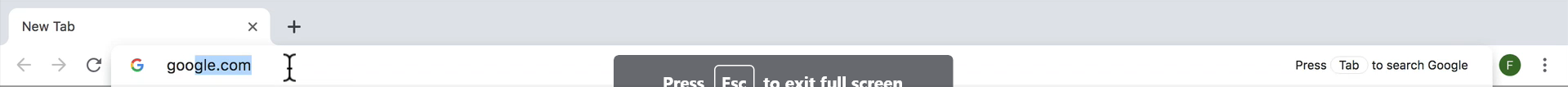
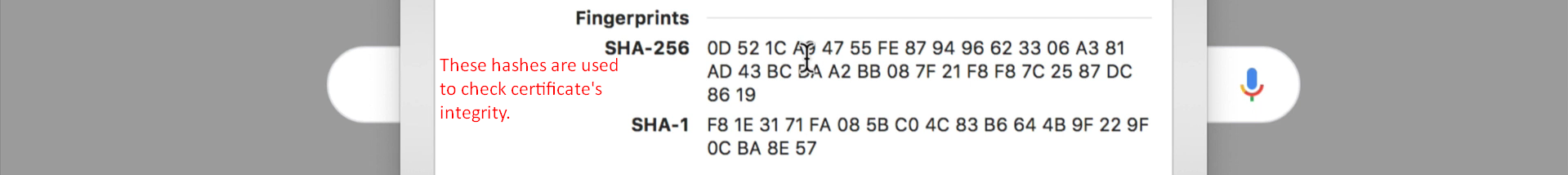
1. Let’s examine some popular websites in the world to see if they use HTTPS or not.
2. Type: google.com  
     
   Graphical user interface, text, application, Word

   Description automatically generated
3. Graphical user interface, text, application, email

   Description automatically generated
4. Graphical user interface, text, application

   Description automatically generated
   1. For a certificate to be valid, there are many criteria such as
      1. Each certificate has a valid time.  
         If the current time is out of the validity period of the certificate, you will see warning that certificate is invalid.
   2. Let’s click on Certificate (Valid).
      1. You will see info about the certificate used by the current website.
      2. You can see this certificate was issued by **Global Sign Certificate Authority**.  
         Graphical user interface, text, application, email

         Description automatically generated  
         There was also intermediate authority called **Google Internet Authority G3.**Actually,this intermediate authority has issued the certificate.  
         Above you can see \*.google.com where \* means this certificate can be used by google.com and its sub-domains.  
         You can see “Expires”which indicates the date/time this certificate will expire on. As I am recording this lecture on March 2019, so it has some time.  
         Click on the Details in the above snapshot to see the Certificate Details.  
         Graphical user interface, text, application

         Description automatically generated  
           
         
5. Let’s check Instagram certificate.   
   Graphical user interface, text, application, email

   Description automatically generated  
   If you try to hit Instagram.com, you will be redirected to www.instagram.com