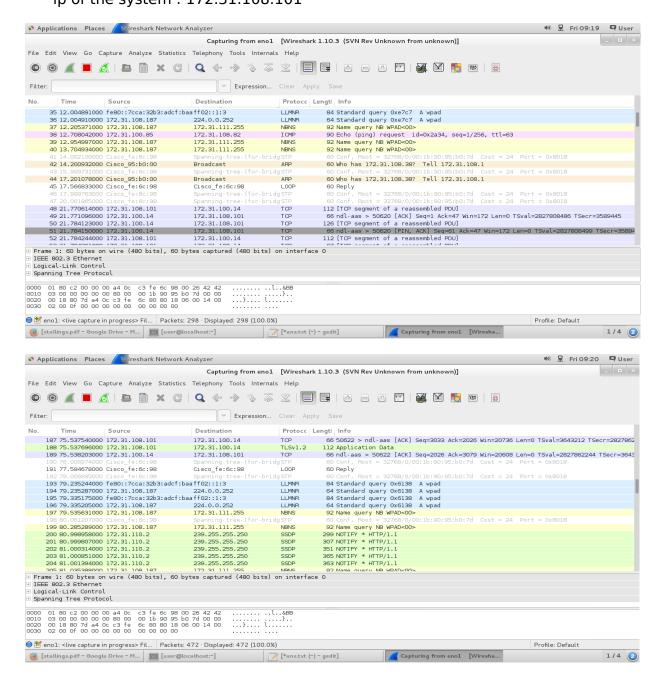
## **ASSIGNMENT-6**

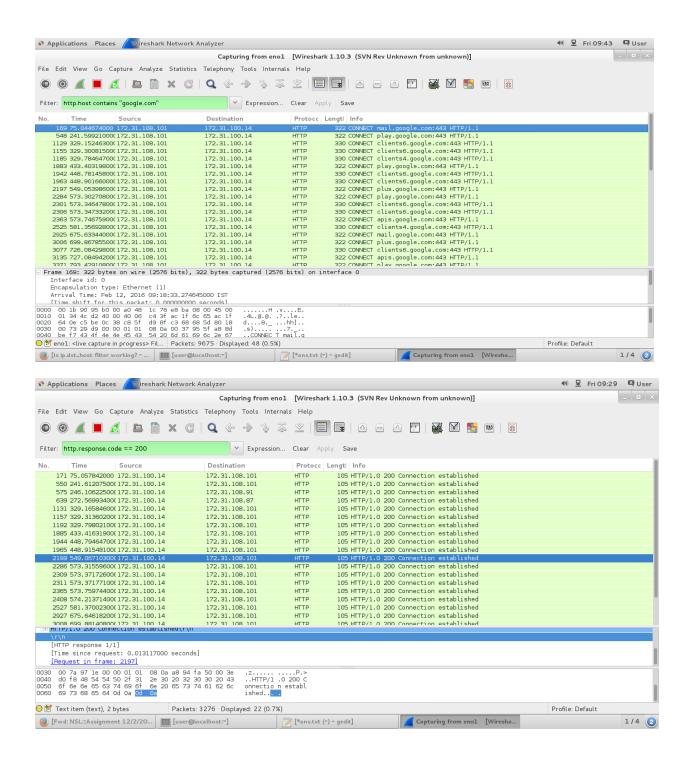
a1) 10 protocols: TCP, HTTP,

ARP,ICMP,TLSv1.2,NBNS,LOOP,SSDP,LLMNR,DNS,BROWSER

- a2) http.request.method == "GET" || http.response.code == 200, just used the filter http.response.code==200 and time since request= 0.013117 sec.
- a3) used the filter : http.host contains "google.com" google.com ip :

172.31.100.14 ip of the system : 172.31.108.101





```
//hide text using stegananography
import java.io.*;
import java.awt.image.BufferedImage;
import java.io.ByteArrayOutputStream;
import java.io.File;
import java.io.IOException;
import javax.imageio.ImageIO;
import java.util.Scanner;
import java.nio.charset.StandardCharsets;
import java.io.UnsupportedEncodingException;
public class Steganography {
           public static void main(String args[])throws IOException {
                /* Convert Input Image to Byte */
                BufferedImage originalImage = ImageIO.read(new
File("/home/user/Desktop/image.jpg"));
                ByteArrayOutputStream baos = new
ByteArrayOutputStream();
                ImageIO.write( originalImage, "jpg", baos );
                baos.flush();
                byte[] imageInByte = baos.toByteArray();
                baos.close();
                Scanner sc=new Scanner(System.in);
                System.out.println("Enter Your Secret Message : ");
                String str=sc.next();
                byte[] b = str.getBytes();
                for(int i=0; i<b.length; i++) {
                      imageInByte[i+100]=b[i];
                }
                /* Convert Steg Bytes to Image */
                BufferedImage img = ImageIO.read(new
ByteArrayInputStream(imageInByte));
                File f = new File("output.jpg");
                ImageIO.write(img, "JPEG", f);
                /* Convert Input Image to byte */
                BufferedImage originalImage2 = ImageIO.read(new
File("/home/user/Desktop/image2.jpg"));
                ByteArrayOutputStream baos2 = new
ByteArrayOutputStream();
                ImageIO.write( originalImage2, "jpg", baos2);
                baos2.flush();
                byte[] imageInByte2 = baos2.toByteArray();
                baos2.close();
                byte b2[]=new byte[b.length];
                for(int i=0; i<b.length; i++) {
                      b2[i]=imageInByte2[i+100];
                String s=new String(b);
```

```
System.out.println("Output :\n "+s);
}
```

## OUTPUT:

}

