

Nama : Muh. Nur Afrizal

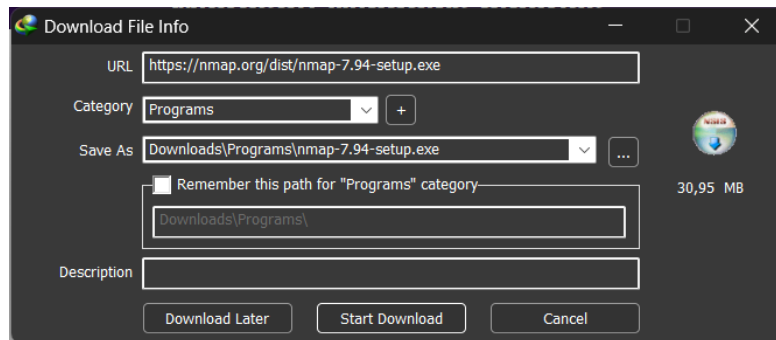
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MODUL 1

PEMROGRAMAN BERBASIS WEB

1.4.1. Persiapan Untuk Pengguna Windows



Gambar 1 - Proses download ncat

1.4.2. Mengetahui HTTP dengan Terminal

1. Ncat sudah terinstall

```
MINGW64/c/Users/muham
muham@Afrizal MINGW64 ~
$ ncat -v
Ncat: Version 7.94 ( https://nmap.org/ncat )
Ncat: You must specify a host to connect to. QUITTING.
muham@Afrizal MINGW64 ~
$ |
```

Gambar 2 - Ncat sudah terinstall di versi 7.94

2. Simulasi web browser dengan ncat

```
MINGW64/c/Users/muham
muham@Afrizal MINGW64 ~
$ ncat -v
Ncat: Version 7.94 ( https://nmap.org/ncat )
Ncat: You must specify a host to connect to. QUITTING.
muham@Afrizal MINGW64 ~
$ ncat -v www.example.com 80
Ncat: Version 7.94 ( https://nmap.org/ncat )
Ncat: Connected to 93.184.216.34:80.
```

Gambar 3 - Connect ke www.example.com dengan port 80

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3. Request dengan menggunakan protokol HTTP

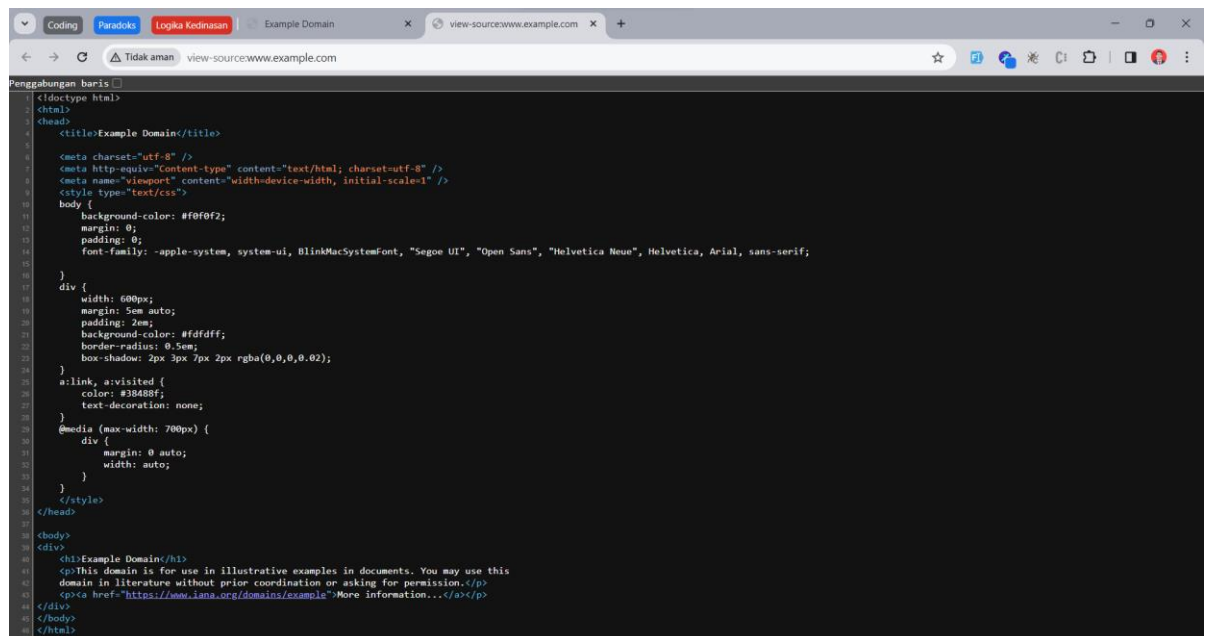
```
HTTP/1.1 200 OK
Accept-Ranges: bytes
Age: 595610
Cache-Control: max-age=604800
Content-Type: text/html; charset=UTF-8
Date: Tue, 16 Jan 2024 06:44:59 GMT
Etag: "3147526947"
Expires: Tue, 23 Jan 2024 06:44:59 GMT
Last-Modified: Thu, 17 Oct 2019 07:18:26 GMT
Content-Length: 1256

<!doctype html>
<html>
<head>
  <title>Example Domain</title>

  <meta charset="utf-8" />
  <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <style type="text/css">
    body {
      background-color: #f0f0f2;
      margin: 0;
      padding: 0;
      font-family: -apple-system, system-ui, BlinkMacSystemFont, "Segoe UI", "Open Sans", "Helvetica Neue", Helvetica, Arial, sans-serif;
    }
    div {
      width: 600px;
      margin: 5em auto;
      padding: 2em;
      background-color: #fdfdff;
      border-radius: 0.5em;
      box-shadow: 2px 3px 7px 2px rgba(0,0,0,0.02);
    }
    a:link, a:visited {
      color: #38488f;
      text-decoration: none;
    }
    @media (max-width: 700px) {
      div {
        margin: 0 auto;
        width: auto;
      }
    }
  </style>
</head>
<body>
<div>
  <h1>Example Domain</h1>
  <p>This domain is for use in illustrative examples in documents. You may use this
```

Gambar 4 - Response web

1.4.3. Mengenal HTML dengan Web Browser



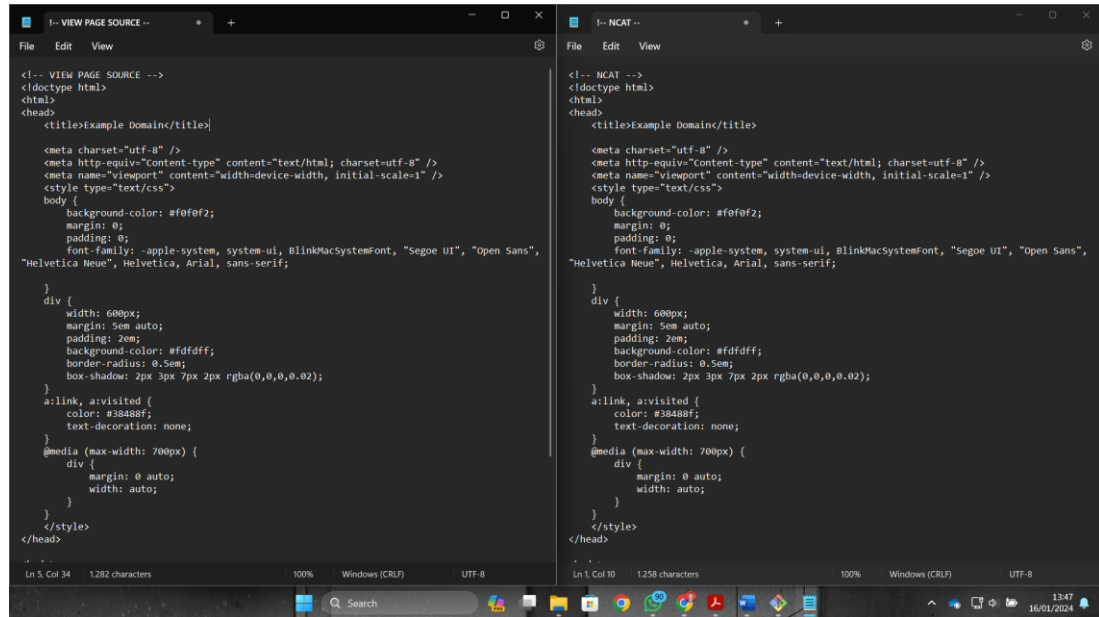
Gambar 5 - View page source pada www.example.com

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1.4.4. Membandingkan Respon HTTP dan “Page Source” HTML



Gambar 6 - Perbandingan Respon HTTP dengan Page Source HTML