WebStorm Base HTML5, CSS3, AJAX, JS

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```
WebstormProjects ~/WebstormProjects
▼ ■ cslab20190126
  ▶ ■ .idea
    new_style.css
    p1.html
    p1_1.html
    p2.html
    p3.html
    p4.html
Ili External Libraries
Scratches and Consoles
```

```html
1    <!DOCTYPE html>
2    <html lang="en">
3    <!--...-->
17   <head>
18       <meta charset="UTF-8">
19       <title>First Tutorial</title>
20       <link rel="stylesheet" type="text/css" href="new_style.css">
21       <style>
22           .btn_render{
23               position: absolute;
24               top: 450px;
25               width: 120px;
26               height: 40px;
27               -webkit-border-radius: 8px;
28               -moz-border-radius: 8px;
29               border-radius: 8px;
30               border: 2px solid rgba(0, 0, 0, 0.82);
31               box-sizing: border-box;
32               text-align: center;
33               align-items: center;
34               line-height: 40px;
35               cursor: pointer;
36           }
37       </style>
38   </head>
39   <body>
40       <!-- css style -->
41       <div class="name">
42           메세지
43       </div>
44       <div class="blue">
45           blue
46           <span>메시지2</span>
47           <span>메시지3</span>
48           <span>메시지4</span>
49       </div>
50       <div class="red">
51           red
52       </div>
53       <div class="green">
54           green
55       </div>
56       <span>write message</span>
57       <input type="checkbox">
58       <!-- form tag 내부의 submit 버튼을 action 에 걸린 주소로 form 에 정해진 method 로 서버에 요청하겠단 뜻 -->
59       <!--
60       <form action="/test" method="post" class="req-box">
61           <input title="사용자명" name="username" placeholder="input your name! fuck up!"/>
62           <button type="submit">전송</button>
63       </form>
64       -->
65       <div class="btn_render">Rendering</div>
66   </body>
67   </html>
```
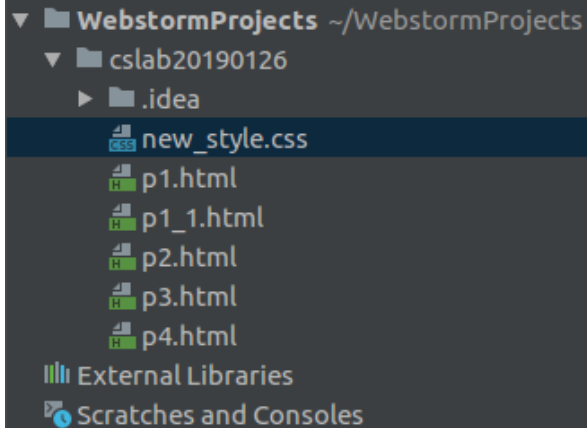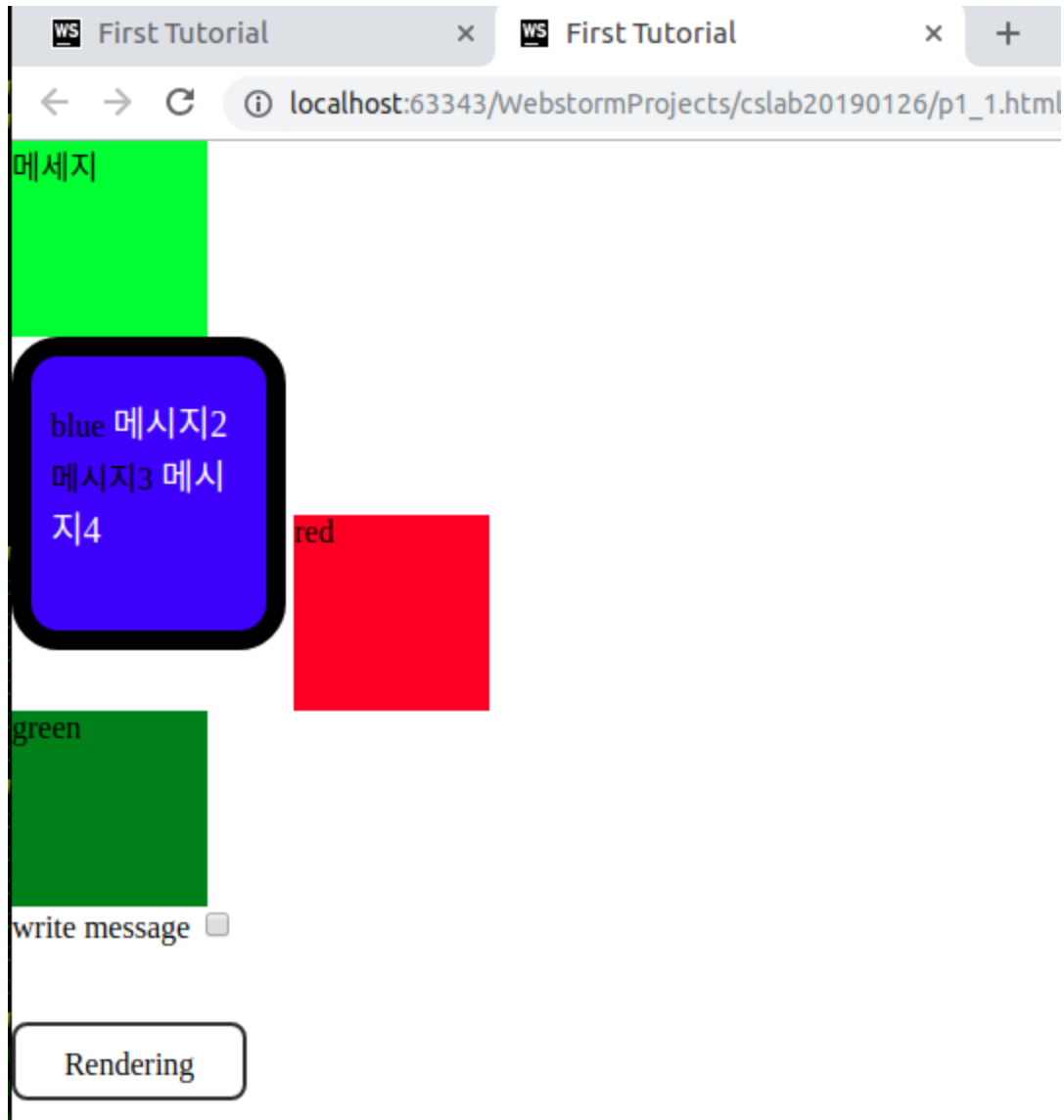
```
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  cslab20190126
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    new_style.css
    p1.html
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  External Libraries
  Scratches and Consoles
```

```css
1  body{
2      margin: 0;
3      padding: 0;
4      width: 100%;
5      height: 100%;
6  }
7
8  .name {
9      width: 100px;
10     height: 100px;
11     background-color: rgba(0, 255, 0, 1);
12  }
13
14  .blue {
15     /* position: absolute; */
16     top: 100px;
17     left: 100px;
18     /* 자 기영역 만*/
19     /* display: inline; */
20     display: inline-block;
21     width: 100px;
22     height: 100px;
23     background-color: blue;
24     /*
25     color: white;
26     font-size: 24px;
27     */
28     padding: 20px 10px;
29     /* padding: 20px; */
30     border: 10px solid;
31     /* border: 10px dashed red; */
32     -webkit-border-radius: 24px;
33     -moz-border-radius: 24px;
34     border-radius: 24px;
35  }
36
37  .blue > span:nth-child(2n + 1){
38     font-size: 18px;
39     color: white;
40  }
41
42  .red {
43     display: inline-block;
44     width: 100px;
45     height: 100px;
46     background-color: red;
47  }
48
49  .green {
50     width: 100px;
51     height: 100px;
52     background-color: green;
53  }
```

메세지

blue 메시지2
메시지3 메시
지4

red

green

write message ☐

Rendering

```html
<!DOCTYPE html>
<html lang="en">
<!-- ... -->
<head>
    <meta charset="UTF-8">
    <title>First Tutorial</title>
    <link rel="stylesheet" type="text/css" href="new_style.css">
    <style>
        #btn_render{
            position: absolute;
            top: 450px;
            width: 120px;
            height: 40px;
            -webkit-border-radius: 8px;
            -moz-border-radius: 8px;
            border-radius: 8px;
            border: 2px solid rgba(0, 0, 0, 0.82);
            box-sizing: border-box;
            text-align: center;
            align-items: center;
            line-height: 40px;
            cursor: pointer;
        }
    </style>
</head>
<body>
 <!-- this is inner text -->
 <!-- css style -->
<div class="name">
    메세지
</div>
<div class="blue">
    blue
    <span>메시지2</span>
    <span>메시지3</span>
    <span>메시지4</span>
</div>
<div class="red">
    red
</div>
<div class="green">
    green
</div>
 <span>write message</span>
 <input type="checkbox">
 <div id="btn_render">Rendering</div>
```

WebstormProjects ~/WebstormProjects
  cslab20190126
    .idea
    new_style.css
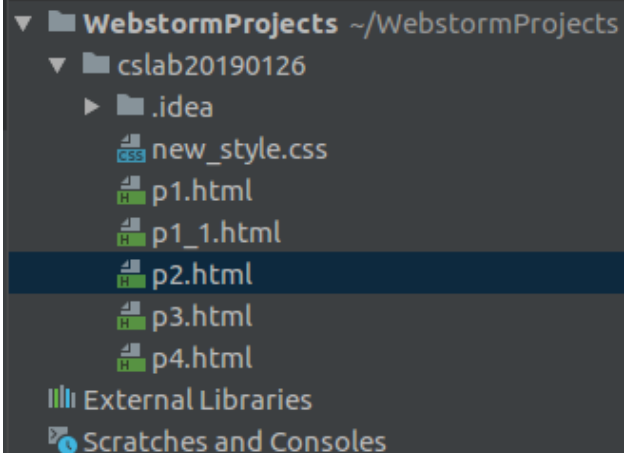   p1.html
    p1_1.html
    p2.html
    p3.html
    p4.html
  External Libraries
  Scratches and Consoles

```html
                box-sizing: border-box;
                text-align: center;
                align-items: center;
                line-height: 40px;
                cursor: pointer;
            }
        </style>
    </head>
    <body>
    <!-- this is inner text -->
    <!-- css style -->
    <div class="name">
        💡 메세지
    </div>
    <div class="blue">
        blue
        <span>메시지2</span>
        <span>메시지3</span>
        <span>메시지4</span>
    </div>
    <div class="red">
        red
    </div>
    <div class="green">
        green
    </div>
    <span>write message</span>
    <input type="checkbox">
    <div id="btn_render">Rendering</div>
    <script>
        const btnRender = document.getElementById('btn_render');
        /*
        btnRender.addEventListener('click', () => {
            alert('hi');
        })
        */
        btnRender.addEventListener('click', e => {
            //alert(e.clientX);
            renderBlueBox();
        })

        const renderBlueBox = () => {
            const blueBox = document.createElement('div');
            blueBox.className = 'blue';
            blueBox.innerText = (new Date()).getTime();
            document.body.appendChild(blueBox);
        }
    </script>
    </body>
</html>
```

메세지

blue 메시지2 메시지3 메시 지4

red

green

write message ☐

Rendering

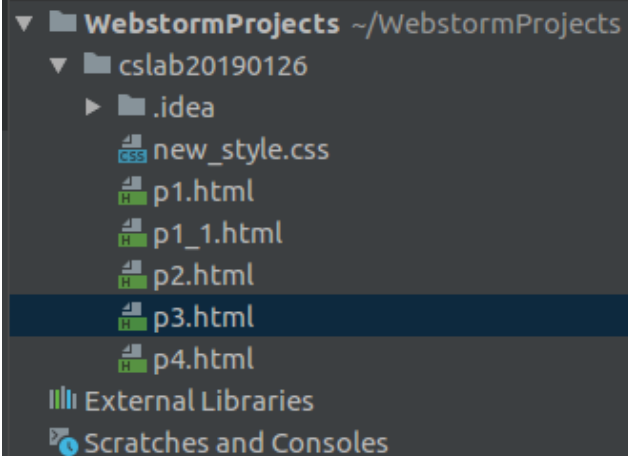1548574998067

1548574998490

1548574998673

1548574998850

```
20                    line-height: 40px;
21                    cursor: pointer;
22                }
23            </style>
24    </head>
25    <body>
26    <!-- this is inner text -->
27    <!-- css style -->
28    <div class="name">
29        메세지
30    </div>
31    <div class="blue">
32        blue
33        <span>메시지2</span>
34        <span>메시지3</span>
35        <span>메시지4</span>
36    </div>
37    <div class="red">
38        red
39    </div>
40    <div class="green">
41        green
42    </div>
43    <span>write message</span>
44    <input type="checkbox">
45    <div id="btn_render">Rendering</div>
46    <script>
47        const btnRender = document.getElementById('btn_render');
48        /*
49        btnRender.addEventListener('click', () => {
50            alert('hi');
51        })
52        */
53        btnRender.addEventListener('click', e => {
54            //alert(e.clientX);
55            renderBlueBox();
56        })

58        const renderBlueBox = () => {
59            const blueBox = document.createElement('div');
60            blueBox.className = 'blue';
61            blueBox.innerText = (new Date()).getTime();
62            document.body.appendChild(blueBox);
63            blueBox.addEventListener('click', () => {
64                alert('hi');
65            });
66        }
67    </script>
68    </body>
69    </html>
```

메세지

blue 메시지2 메시지3 메시지4

red

green

write message ☐

Rendering

1548575139895

1548575140565

1548575140749

1548575140933

1548575141630

```
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  cslab20190126
    .idea
    new_style.css
    p1.html
    p1_1.html
    p2.html
    p3.html
    p4.html
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```html
1   <!DOCTYPE html>
2   <html>
3   <head>
4       <meta name="viewport" content="width=device-width, initial-scale=1">
5       <style>
6           .slidecontainer {
7               width: 100%;
8           }
9
10          .slider {
11              -webkit-appearance: none;
12              /* width: 100%; */
13              width: 150px;
14              height: 25px;
15              background: #d3d3d3;
16              outline: none;
17              opacity: 0.7;
18              -webkit-transition: .2s;
19              transition: opacity .2s;
20          }
21
22          .slider:hover {
23              opacity: 1;
24          }
25
26          .slider::-webkit-slider-thumb {
27              -webkit-appearance: none;
28              appearance: none;
29              width: 25px;
30              height: 25px;
31              background: #4CAF50;
32              cursor: pointer;
33          }
34          /*
35          .slider::-moz-range-thumb {
36              width: 25px;
37              height: 25px;
38              background: #4CAF50;
39              cursor: pointer;
40          }
41          */
42      </style>
43      <script
44              src="https://code.jquery.com/jquery-3.3.1.min.js"
45              integrity="sha256-FgpCb/KJQlLNfOu91ta32o/NMZxltwRo8QtmkMRdAu8="
46              crossorigin="anonymous"></script>
47  </head>
```

```
WebstormProjects ~/WebstormProjects
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    .idea
    new_style.css
    p1.html
    p1_1.html
    p2.html
    p3.html
    p4.html
  External Libraries
  Scratches and Consoles
```
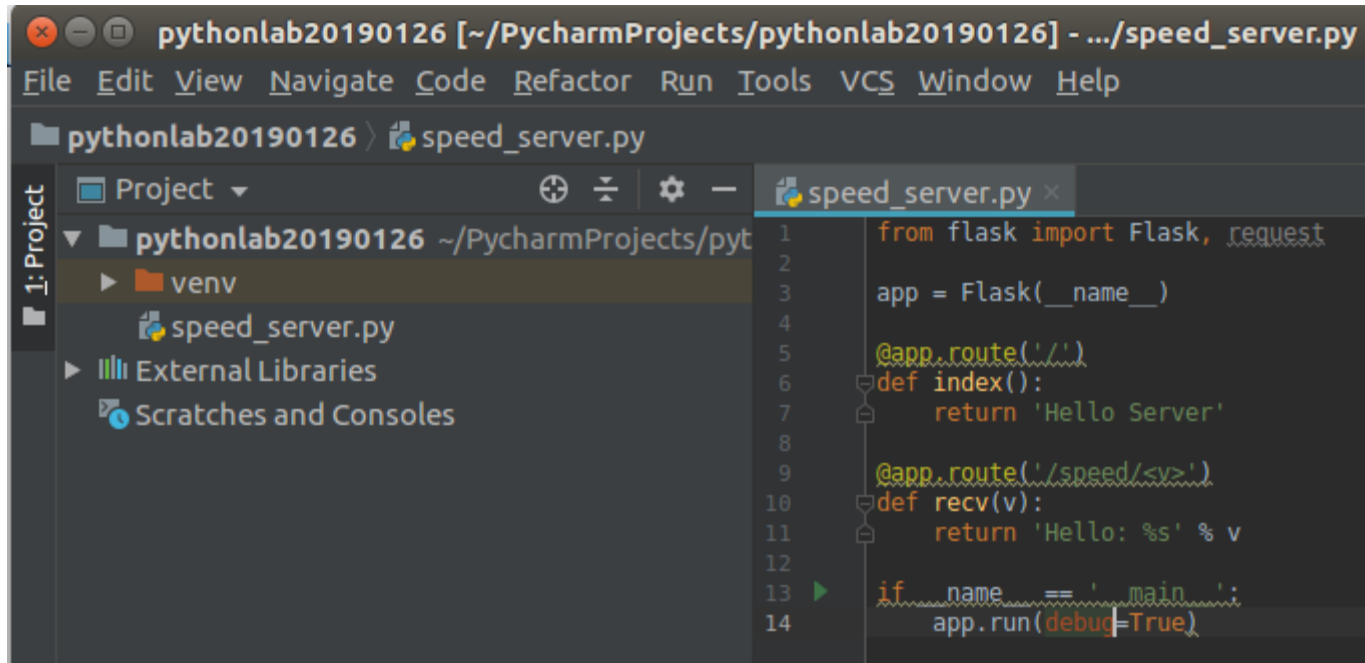
```
39                          cursor: pointer;
40                      }
41                  */
42              </style>
43              <script
44                      src="https://code.jquery.com/jquery-3.3.1.min.js"
45                      integrity="sha256-FgpCb/KJQlLNfOu91ta32o/NMZxltwRo8QtmkMRdAu8="
46                      crossorigin="anonymous"></script>
47      </head>
48      <body>
49
50      <h1>Custom Range Slider</h1>
51
52      <div class="slidecontainer">
53          <p>Custom range slider:</p>
54          <input type="range" min="1000" max="2000" value="1500" class="slider" id="myRange">
55      </div>
56      <div id="motor_speed"></div>
57      <script>
58          const motorSpeed = document.getElementById('motor_speed');
59          const slider = document.getElementById('myRange');
60          /*
61          slider.addEventListener('change', () => {
62              //console.log(slider.value);
63              motorSpeed.innerText = `Range: ${slider.value}`;
64          });
65          */
66
67          let isClicked = false;
68          slider.addEventListener('mousedown', () => {
69              isClicked = true;
70          });
71
72          slider.addEventListener('mousemove', () => {
73              if(isClicked){
74                  motorSpeed.innerText = `Range: ${slider.value}`;
75                  $.ajax({
76                      url: `http://127.0.0.1:5000/speed/${slider.value}`,
77                      type: 'GET'
78                  })
79              }
80          });
81
82          slider.addEventListener('mouseup', () => {
83              isClicked = true;
84          });
85      </script>
86      </body>
87      </html>
```

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pythonlab20190126 ⟩ speed_server.py

Project ▾

▼ pythonlab20190126 ~/PycharmProjects/pyt
   ▶ venv
      speed_server.py
▶ External Libraries
   Scratches and Consoles

speed_server.py ×

```python
from flask import Flask, request

app = Flask(__name__)


@app.route('/')
def index():
    return 'Hello Server'


@app.route('/speed/<v>')
def recv(v):
    return 'Hello: %s' % v


if __name__ == '__main__':
    app.run(debug=True)
```

← → C ⓘ localhost:63

Custom Range

Custom range slider:

Range: 1420

---

pythonlab20190126 [~/PycharmProjects/pythonlab20190126] - .../spee

File Edit View Navigate Code Refactor Run Tools VCS Window Help

📁 pythonlab20190126 › 🐍 speed_server.py

■ Project ▾   ⊕ ÷ ✿ —   🐍 speed_server.py ×

▼ ■ pythonlab20190126 ~/PycharmProjects/pyt
   ▸ ■ venv
      🐍 speed_server.py
   ▸ ⅢⅠ External Libraries
   🕑 Scratches and Consoles

```
 1        from flask import Flask
 2
 3        app = Flask(__name__)
 4
 5        @app.route('/')
 6        def index():
 7            return 'Hello Serv
 8
 9        @app.route('/speed/<v>
10        def recv(v):
11            return 'Hello: %s'
12
13        if __name__ == '__main
14            app.run(debug=True
```

Run: 🐍 speed_server ×

```
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1748 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1716 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1612 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1412 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1204 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1084 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1044 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1036 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1028 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1036 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1132 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1244 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1340 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1348 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1372 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1404 HTTP/1.1" 200 -
127.0.0.1 - - [27/Jan/2019 16:51:50] "GET /speed/1420 HTTP/1.1" 200 -
```

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src 〉 gohttp 〉 main.go   Add Configuration...

Project

main.go ×

```go
1    package main
2
3    import (
4        "fmt"
5        "net/http"
6        "strings"
7    )
8
9    func main(){
10       fmt.Println( a...: "Hiyo");
11       http.HandleFunc( pattern: "/speed/", func(writer http.ResponseWriter, request *http.Request){
12           //fmt.Println(request.URL.Path)
13
14           arr := strings.Split(request.URL.Path, sep: "/")
15           fmt.Println(arr[2])
16
17           _, err := writer.Write([]byte("I'm Alive"))
18           //code, err := writer.Write([]byte("I'm Alive"))
19           //fmt.Printf("Code: %d", code)
20
21           if err != nil {
22               fmt.Println(err)
23           }
24       })
25
26       err := http.ListenAndServe( addr: ":5000", handler: nil);
27       if err != nil {
28           fmt.Println(err);
29       }
30   }
```

Project tree:
- src ~/golang/src
  - github.com
  - gohttp
    - .idea
    - main.go
  - golang.org
    - x
      - lint
      - net
      - tools
  - honnef.co
    - go
      - tools
        - callgraph
        - cmd
        - deprecated
        - errcheck
        - functions
        - gcsizes
        - images
        - internal

Custom Range

Custom range slider:

Range: 1100

WS First × WS First × WS

← → C ⓘ localhost:63

---

src [~/golang/src] - .../gohttp/main.go [src] - GoLand

File Edit View Navigate Code Refactor Run Tools VCS Window Help

src › gohttp › main.go

Project ▾

▼ src ~/golang/src
  ▶ github.com
  ▼ gohttp
    ▶ .idea
    main.go
  ▼ golang.org
    ▼ x
      ▶ lint
      ▶ net
      ▶ tools
  ▼ honnef.co
    ▼ go

main.go ×

```
15        fmt.Println(arr[2])
16
17        _, err := writer.Writ
18        //code, err := writer
19        //fmt.Printf("Code: %
20
21        if err != nil {
22            fmt.Println(err)
23        }
24    })
25
26    err := http.ListenAndServ
27    if err != nil {
28        fmt.Println(err);
29    }
30 }
```

main() › func(writer http.Re

Run: go build main.go ×

```
1548
1524
1508
1492
1476
1388
1340
1332
1324
1292
1260
1252
1220
1172
1156
1100
1100
```