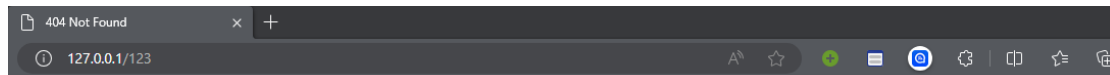
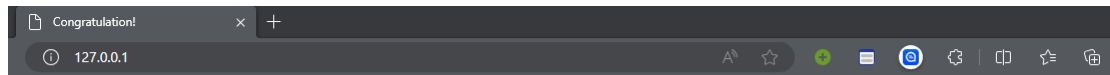


ExLab1 实验报告

1.1 展示你实现的 HTTP 服务器访问网页的效果（用浏览器进行测试）

（给出截图将被视作有效的回答，只需展示 200 OK 和 404 Not Found 两个例子，如果实在不会实现，把答案中的代码跑起来的截图也是可以的）



ExLab1

1.2 （选做）展示你 http 状态机的实现核心代码

（贴出代码、截图或给出代码的链接都将被视作有效的回答）

[Computer-Network-Lab/exlab1/src/http.c at O2iginal/Computer-Network-Lab \(github.com\)](https://github.com/O2iginal/Computer-Network-Lab/blob/master/src/http.c)

```
static char response[RESPONSE_SIZE];
static char buffer[BUFFER_SIZE];
static char path[PATH_SIZE];
static char http_version[SYNC_SIZE];
static char method[SYNC_SIZE]; // http 请求方法

*response = '\0';
char *req_ptr = request;
int flag = 0; // 0 for method, 1 for uri, 2 for http version, 3 for
finished
char *uri_ptr = path;
char *method_ptr = method;
char *http_version_ptr = http_version;

// 仅解析request的第一行，得到method, uri, http version
```

```

for ( ; flag != 3; req_ptr++)
{
    switch (flag)
    {
        case 0: // method
            if (*req_ptr == ' ')
            {
                *method_ptr = '\0';
                method_ptr = method;
                flag++;
            }
            else
            {
                *method_ptr++ = *req_ptr;
            }
            break;
        case 1: // uri
            if (*req_ptr == ' ')
            {
                *uri_ptr = '\0';
                uri_ptr = path;
                flag++;
            }
            else
            {
                *uri_ptr++ = *req_ptr;
            }
            break;
        case 2: // http version
            if (*req_ptr == '\r' && *(req_ptr + 1) == '\n')
            {
                *http_version_ptr = '\0';
                http_version_ptr = http_version;
                flag++;
                req_ptr++;
            }
            else
            {
                *http_version_ptr++ = *req_ptr;
            }
            break;
        default:
            printf("request parse error: flag = %d\n", flag);
            break;
    }
}

```

```
}  
}
```

1.3 （选做）把你的代码上传到 GitHub 或 Gitee 上，把地址贴在这里

[Computer-Network-Lab/exlab1 at main · O2iginal/Computer-Network-Lab \(github.com\)](https://github.com/O2iginal/Computer-Network-Lab)