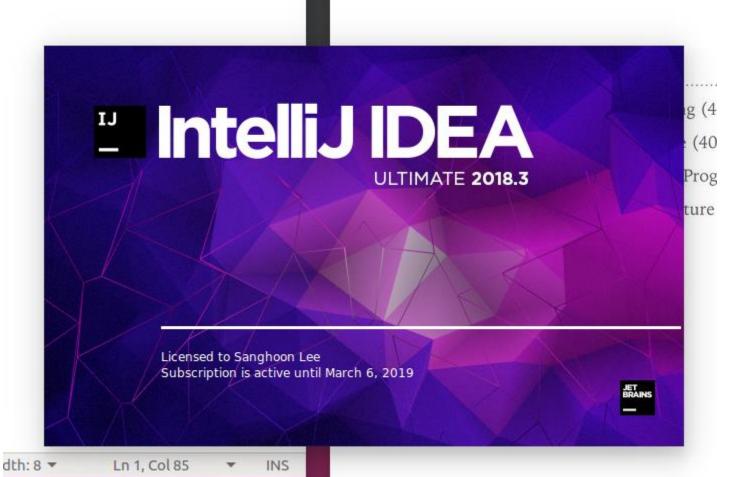
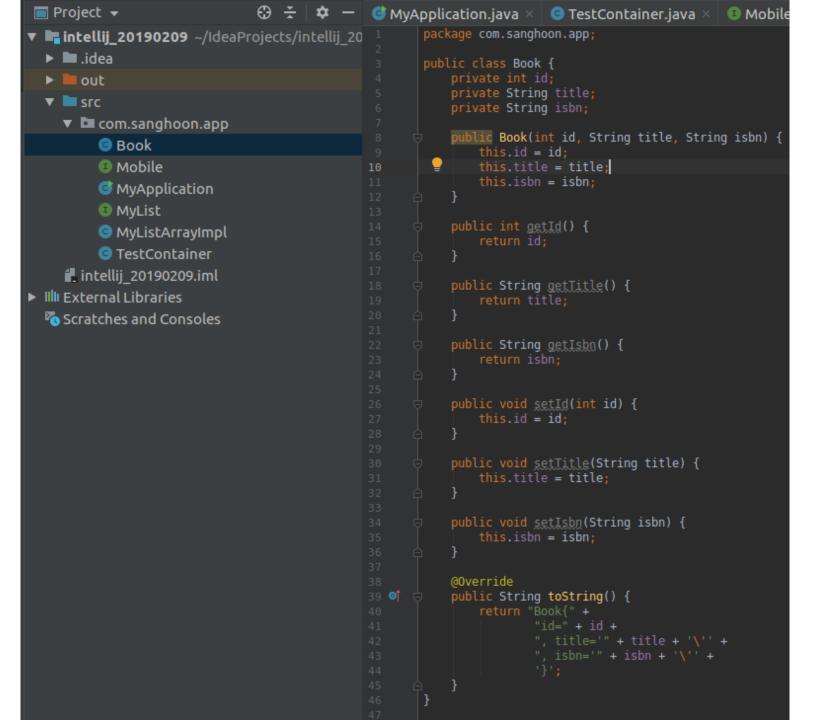
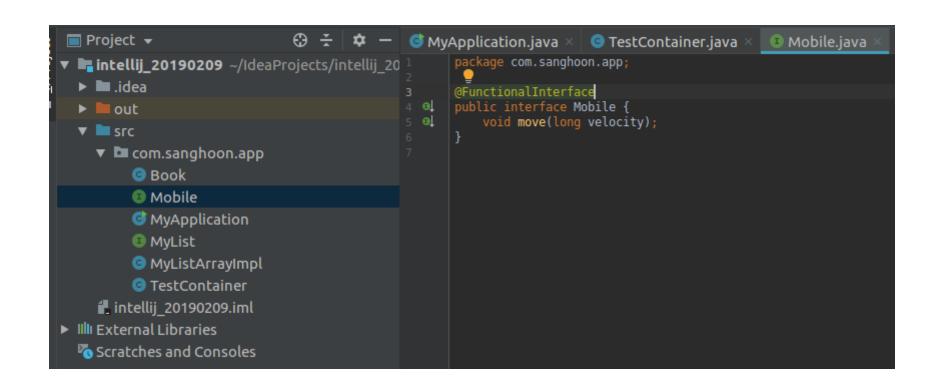
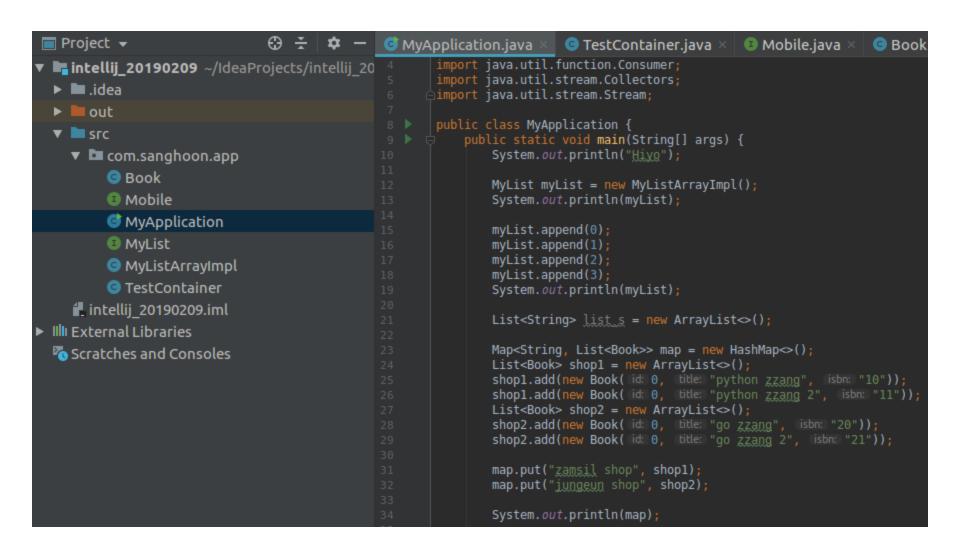
Intellij Java Programming

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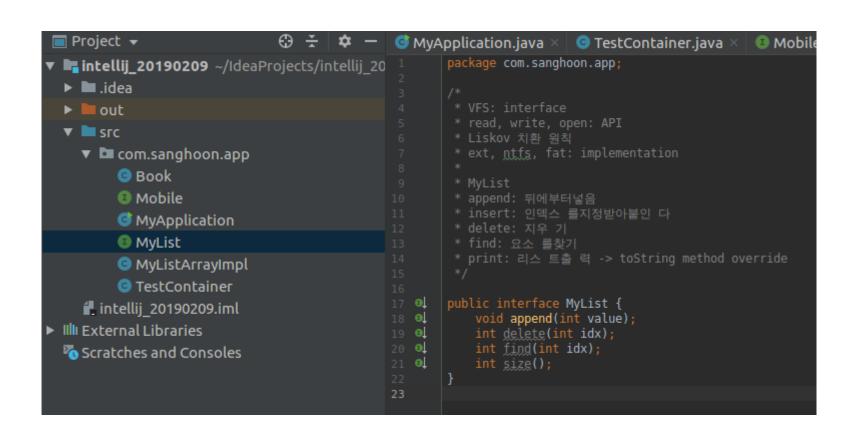


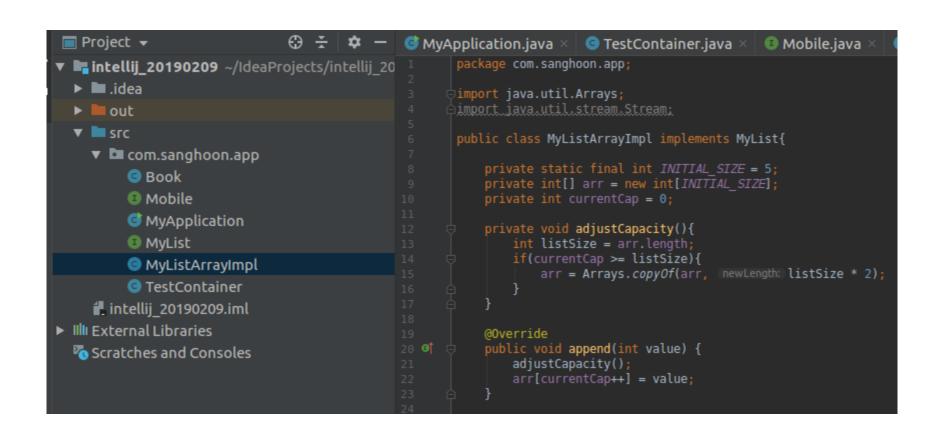




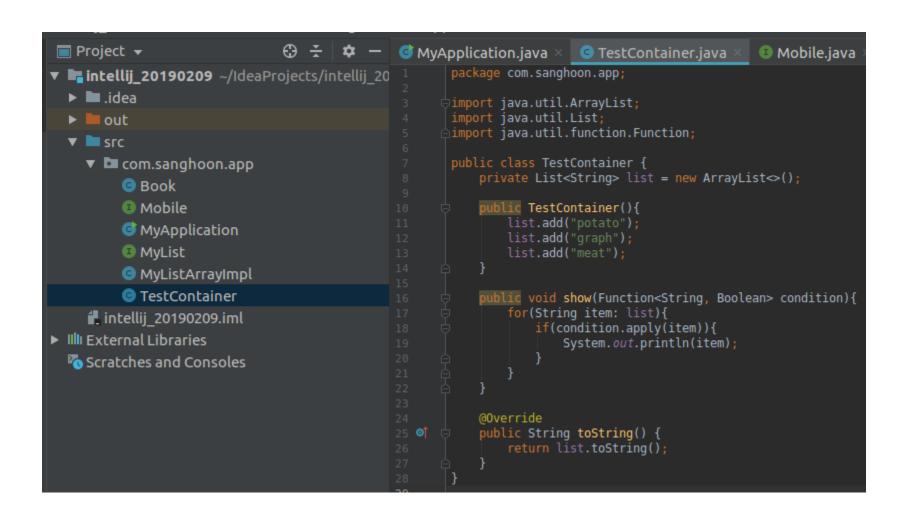


```
System.out.println(map);
                Mobile mobile bak = new Mobile(){
                    public void move(long velocity) { System.out.println("speed: " + velocity); }
                Mobile mobile = velocity -> System.out.println("speed: " + velocity);
                mobile bak.move( velocity: 20);
                mobile.move( velocity: 10);
                TestContainer container = new TestContainer();
                container.show(s->s.length() < 5);</pre>
48 🐠
                // Method Reference
                Consumer<String> c = System.out::println;
                c.accept( t "I can print");
                List<String> list = new ArrayList<>();
                list.add("potato");
                list.add("grape");
                list.add("meat");
                Stream.of(list).forEach(System.out::println);
                List<String> newList = list.stream().filter(s->s.length() >= 5).collect(Collectors.toList());
                System.out.println(newList);
```





```
@Override
public int delete(int idx) {
    int ret = arr[idx];
    int[] a = Arrays.copyOfRange(arr, from: 0, to: idx - 1);
    int[] b = Arrays.copyOfRange(arr, idx, arr.length);
    int[] newArr = new int[a.length + b.length];
    System.arraycopy(a, srcPos: 0, newArr, destPos: 0, a.length);
    System.arraycopy(b, srcPos: 0, newArr, a.length, b.length);
    arr = newArr;
    return ret;
@Override
public int find(int idx) { return 0; }
@Override
public int size() { return 0; }
@Override
public String toString() {
    StringBuilder sb = new StringBuilder();
    sb.append("List [");
    for(int i: arr){
        sb.append(i);
        sb.append(", ");
    sb.append("]");
    return super.toString();
```



Intellij Java Based Web

```
🕀 😤 🔯 — 🏮 Application.java × 🕒 WebClient.java ×
ject ▼
                                                                                    📇 index.html 🗡 😉 HttpRequest.java 🗡
                                                                                                                            HttpReq
                                                package com.sanghoon.web;
udy_java_web_20190209 ~/IdeaProjects/
.idea
                                               import java.io.IOException;
                                                import java.net.ServerSocket;
                                                import java.net.Socket;
                                                import java.util.concurrent.ExecutorService;
com.sanghoon
                                               import java.util.concurrent.Executors;
▼ 🗖 app
     Application
▼ 🖿 web
     HttpRequest
     HttpRequestMethod
     WebClient
     WebServer
index.html
study_java_web_20190209.iml
kternal Libraries
ratches and Consoles
                                                public class WebServer {
                                                    private ServerSocket servSock;
                                                    private ExecutorService executorService;
                                                    private WebServer(){
                                                            servSock = new ServerSocket(PORT);
                                                            executorService = Executors.newFixedThreadPool( nThreads: 10);
                                                            System.out.println(executorService.getClass());
                                                        } catch (IOException e) {
                                                            e.printStackTrace();
                                                    public static WebServer getInstance() { return SingletonHolder.instance; }
                                                    private static class SingletonHolder{
                                                        private static WebServer instance = new WebServer();
                                                    public void start() throws IOException {
                                                            Socket sock = servSock.accept();
                                                            System.out.println("Client IP Address: " + sock.getInetAddress());
                                                            executorService.execute(new WebClient(sock));
```

```
■ Project ▼
                                               Application.java × © WebClient.java
                                                                                         # index.html ×
                                                      package com.sanghoon.web;
▼ land study_java_web_20190209 ~/IdeaProjects/
  ▶ ■ .idea
                                                      import java.io.*;
                                                      import java.net.Socket;
  out
                                                      import java.nio.charset.Charset;
  ▼ I Src
                                                      import java.nio.file.Files;
                                                      import java.util.ArrayList;
    ▼ □ com.sanghoon
                                                      import java.util.List;
       ▼ 🖿 app
           Application
                                                      public class WebClient implements Runnable{
                                                          private static final int BUF SIZE = 8192;
       ▼ 🖿 web
                                                          private Socket sock;
            HttpRequest
                                                          public WebClient(Socket sock) { this.sock = sock; }
            HttpRequestMethod
            WebClient
                                                          @Override
                                                          public void run() {
           WebServer
    # index.html
                                                                     InputStream is = sock.getInputStream();
                                                                     OutputStream os = sock.getOutputStream()
    study java web 20190209.iml
 III External Libraries
                                                                 final byte[] buffer = new byte[BUF SIZE];
  Scratches and Consoles
```

```
BufferedReader br = new BufferedReader(new InputStreamReader(is, Charset.forName("UTF-8")));
    String statusLine = br.readLine():
    if(statusLine == null){
    System.out.println("StatusLine: " + statusLine);
    String temp;
    List<String> tempLine = new ArrayList<>();
    while(!(temp = br.readLine()).isEmpty()){
        tempLine.add(temp);
    System.out.println(tempLine);
    HttpRequest request = new HttpRequest(statusLine, tempLine);
    System.out.println(request);
    byte[] body = Files.readAllBytes(new File( pathname: "/home/wrg/IdeaProjects/study java web 20190209/index.html").toPath());
    DataOutputStream dos = new DataOutputStream(os);
    dos.writeBytes( s= "HTTP/1.1 200 OK\r\n");
    dos.writeBytes( si "Content-Type: text/html; charset=utf-8\r\n");
    dos.writeBytes( s: "Content-Length: " + body.length + "\r\n");
    dos.writeBytes( s: "Server: CSLab Server v0\r\n");
    dos.writeBytes( s "\r\n");
    dos.write(body, off 0, body.length);
    dos.writeBytes( = "\r\n");
    dos.flush();
} catch (IOException e) {
    e.printStackTrace();
```

