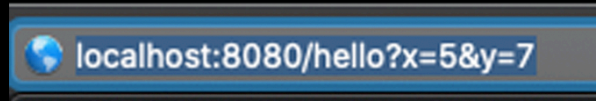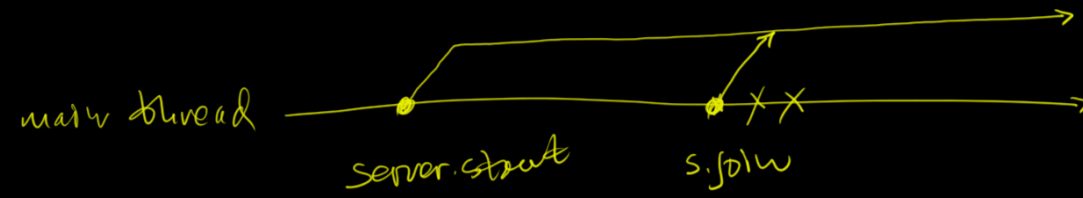`http://localhost:8080/hello?x=5&y=7`
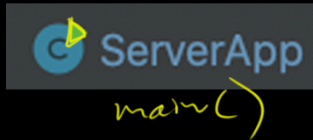
`localhost:8080/hello?x=5&y=7`

```
handler.addServlet(HelloServlet.class,    pathSpec: "/hello");
server.setHandler(handler);
```

```
public class HelloServlet extends HttpServlet {

  /* http://localhost:8080/hello?x=5&y=7 */
  @Override
  protected void doGet(HttpServletRequest req, HttpServletResponse rs)
    try (PrintWriter w = rs.getWriter()){
      w.println("Hello from Java!");
    }
}
```

main thread

server.start

s.join

Launcher (Entry Point)   Controller   Service   DAO< >

it has HTTpRequest / HttpResponse

ServerApp   © CountServlet ←   Counter
main( )   © GetCounterServlet ←
                                © HelloServlet
All dependencies   © HtmlFormattedServlet
wired
                                                    WEB   Business logic

                                                    CONSOLE

                        it has console and scanner

                        input   scanner
                                 HTTP Request
                                 socket

                        output   console
                                 HTTP Response
                                 socket
                                 save to file

input → ⟨   ⟩ → output

/calc ?, a=1 & b=2 & op= plus
minus
mult
div

/calc a=1 b=2 op=+
2 b=3 op=-
a=10 b=20 op=mun

/calc/history

1	+	2	=3
2	-	3	=-1
10	X	20	=200

POST
Body

HTTP
HTTP
HTTP
SQL
SQL
SQL
Cookie } 8
Filtering /security
File Upload/Down...
Forms Redirects