

## # Enterprise Java #

### Asynchronous Beans

#### How to Create :-

- ➔ Java with Maven -> Web Application -> Named -> Finish
- ➔ In Source Package -> new package -> named(asynch) -> new Stateless Bean -> without select Local checkmark -> named(AsynchBean) , (SynchBean)
- ➔ Then Create Servlet

#### What is Asynchronous Beans :-

- ➔ An asynchronous EJB allows a method to run in the background without blocking the main thread or user request. This is useful when you want to execute long-running tasks (like sending emails, generating reports, or loop processing) while still immediately responding to the user.

#### Meaning of Code (In Simple Words) :-

##### What it does?

1. When you open the URL /AsynchServlet in the browser:
  - ➔ The response **immediately shows a message in browser**:
  - ➔ Asynchronous EJB is called giving opportunity to all the methods simultaneously
  - ➔ After that, the servlet calls asynch.compute().
2. Inside compute():
  - ➔ It calls goLoopA() and goLoopB() using @Asynchronous.
  - ➔ These two methods run in **separate background threads**.
  - ➔ They print values of i and j every 1 second in the **server console**, not on browser.