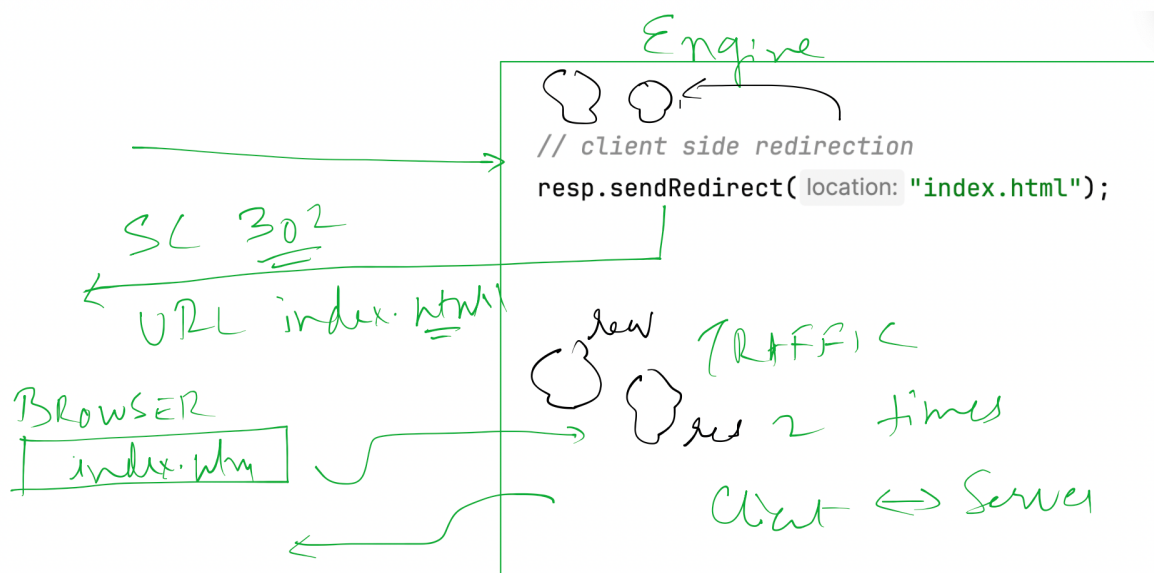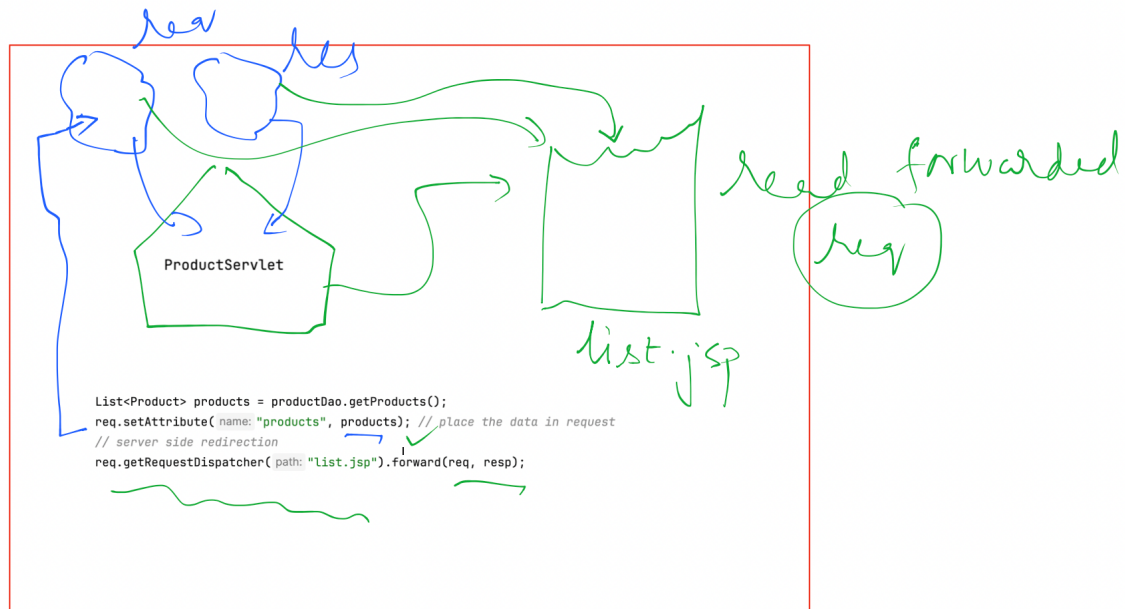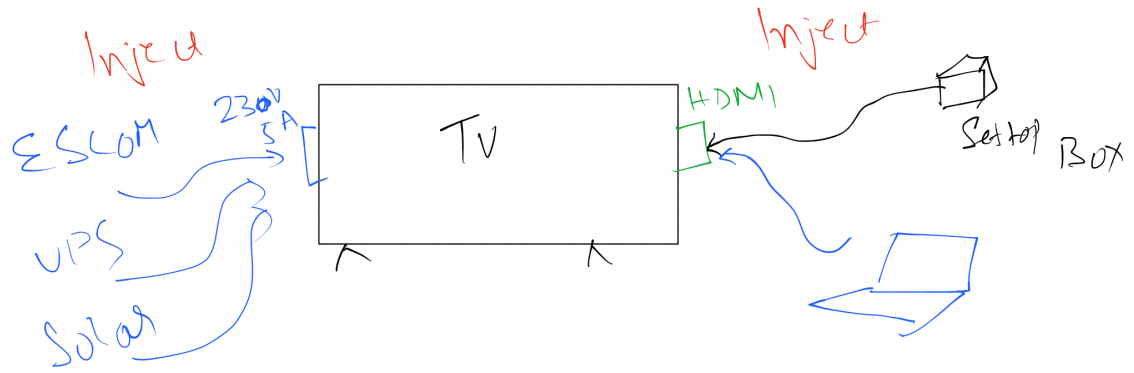Server Side Redirection.
One resource within the engine can forward to other resource within the engine
This concept is used for multi-stage processing of data. Used in MVC pattern
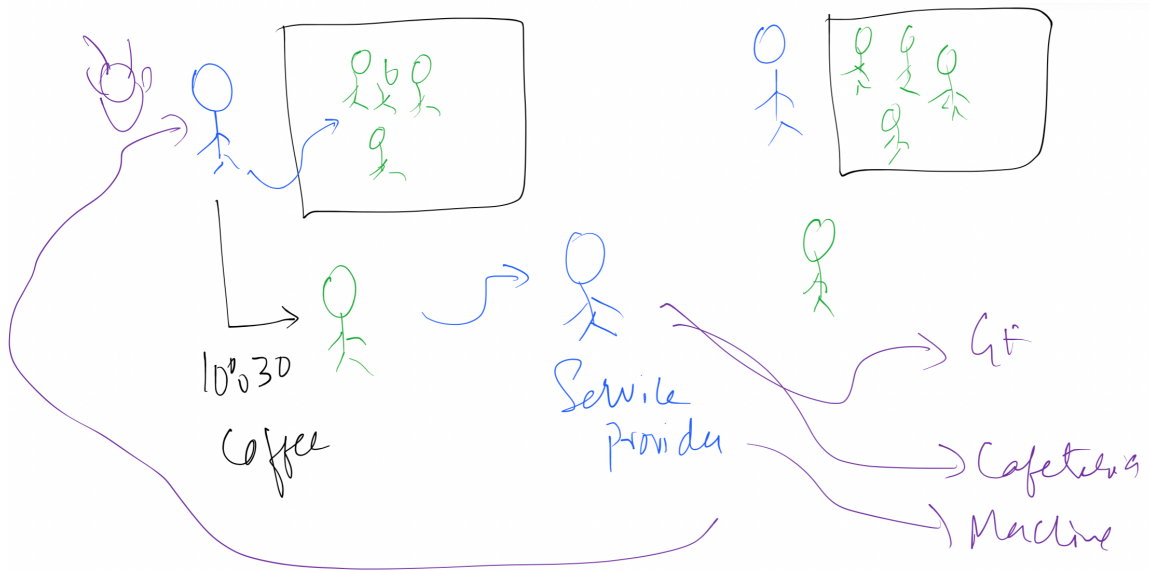With this we can carry data from one resource to another resource by placing it in
request object

server side redirection

ProductServlet

```
List<Product> products = productDao.getProducts();
req.setAttribute( name: "products", products); // place the data in request
// server side redirection
req.getRequestDispatcher( path: "list.jsp").forward(req, resp);
```

list.jsp

reeed forwarded req

Engine

```
// client side redirection
resp.sendRedirect( location: "index.html");
```

SC 302
URL index. html

BROWSER
index. htm

new TRAFFIC
req 2 times
Clint ⟷ Server

Inject

ESCOM 230V 5A

UPS

Solar

TV

HDMI

Inject

Set top Box

---

v

Service   Repo

UI

Inject   Inject   database

dependency   Inject

10°030

Coffee

Service Provider

GF

Cafeteria

Machine

```java
public interface EmployeeDao {
    void addemployee(Employee e);
}

public class EmployeeDaoJdbcImpl implements EmployeeDao {
    public void addemployee(Employee e) {...}
}

public class EmployeeDaoMongoImpl implements EmployeeDao {
    public void addemployee(Employee e) {...}
}
```

```java
public class AppService {
    private EmployeeDao empDao;

    private void setEmpDao(EmployeeDao edao) {
        empDao = edao;
    }

    public void insert(Employee e) {
        empDao.addemployee(e);
    }
}
```
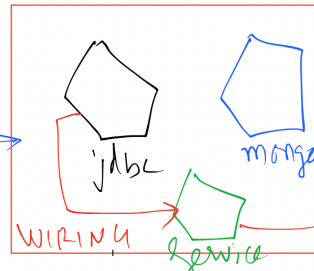
dependency

```xml
<beans>
    <bean id="jdbc" class="pkg.EmployeeDaoJdbcImpl" />
    <bean id="mongo" class="pkg.EmployeeDaoMongoImpl" />
    <bean id="service" class="pkg.AppService">
        <property name="empDao" ref = "jdbc" />
    </bean>
</beans>
```

SPRING CONTAINER

METADATA

Service.SetEmpDao()

jdbc   mongo   service

WIRING

Ready to use

```java
@Repository
public class EmployeeDaoJdbcImpl implements EmployeeDao {
    public void addemployee(Employee e) {...}
}

@Service
public class AppService {
    @Autowired
    private EmployeeDao empDao;

    public void insert(Employee e) {
        empDao.addemployee(e);
    }
}
```

employeeDaoJdbcImpl

appService