# Spring Boot Caching

<https://www.javatpoint.com/spring-boot-caching>

There are four types of caching are as follows:

* In-memory Caching( in-memory cache using concurrent **HashMap.**)
* Database Caching  (database caching is the first level cache of [Hibernate](https://www.javatpoint.com/hibernate-tutorial).)
* Web server Caching
* CDN Caching

Maven Dependency

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-cache</artifactId>

</dependency>

Class Level Cache

1. @EnableCaching  (In main SpringBoot Class)
2. @CacheConfig(cacheNames={"employee"})

Method Level Cache

1. @Caching(evict = {@CacheEvict("phone\_number"), @CacheEvict(value="directory", key="#student.id") })
2. @Cacheable(value="cacheStudentInfo", key="#id")
3. @Cacheable(value="student", condition="#name.length<20")
4. @CacheEvict(allEntries=true)
5. @CacheEvict(key="#student.stud\_name")
6. @CacheEvict(value="student\_data", allEntries=true) /
7. @CachePut(cacheNames="employee", key="#id")