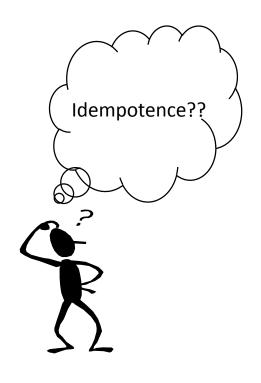
In this lecture, we will discuss...

- ♦ Method Idempotence
- → PUT
- **♦ PATCH**
- ♦ DELETE
- ♦ POST



Idempotence – Wikipedia

♦ Idempotence is the property of certain operations in mathematics and computer science, that can be applied multiple times without changing the result beyond the initial application.



HTTP Methods

♦GET —

read operation

- **♦ POST**
- **♦ PATCH**
- **♦ DELETE**
- **♦ PUT**

write operation



- ♦ Definition "...that can be applied multiple times without changing the result"
- ♦ GET gets the data (no change in result)
- ♦ Idempotent



- ♦ Definition "...that can be applied multiple times without changing the result"
- ♦ Multiple calls (no change in result)
 - Server side exception
- ♦ Idempotent



- ♦ Definition "...that can be applied multiple times without changing the result"
- ♦ Multiple calls (no change in result)
- ♦ Idempotent



- ♦ Definition "...that can be applied multiple times without changing the result"
- ♦ New resource created
- ♦ Multiple calls problem
- ♦ Idempotent



Summary

- ♦ GET, PUT, PATCH and DELETE idempotent
- ♦ POST not idempotent

What's Next?

♦ Representations

