# What is JOLT

1. **Question**: What is JOTL?
2. **Answer**: JSON to JSON Transformation Open-Source Java Library to transform JSON Data using declarative Approach.
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# Operations

1. Shift: To change Structure with original value intact.
2. Default: To add new field, if not there.
3. Remove: Used to remove fields or **objects** from a JSON.
4. Sort: Used to sort fields and **objects** in a JSON in alphabetical order.
5. Cardinality: Used to transform simple fields and objects into arrays and vice versa.  
   JOLT has a specific transformation called the "**Cardinality Transform**”.

## Cardinality

1. [What](https://gemini.google.com/app/2740368bc5ec6552?utm_source=google&utm_medium=cpc&utm_campaign=2024enIN_gemfeb&gad_source=1&gclid=CjwKCAjw1emzBhB8EiwAHwZZxfp4PzM-h3Xp-9LYJ80z0YAQZjiAviN0VWWvFlrddf02grQKJrEwGBoCPYcQAvD_BwE#:~:text=What%20is%20the%20meaning%20of%20cardinality%20and%20why%20in%20JOLT%20Transformation%2C%20for%20such%20operations%2C%20this%20word%20was%20chosen) is the meaning of cardinality and why in JOLT Transformation, for such operations, this word was chosen.
   1. To understand 🡪 [Consistency](https://gemini.google.com/app/f0c710c74ea62fee?utm_source=google&utm_medium=cpc&utm_campaign=2024enIN_gemfeb&gad_source=1&gclid=CjwKCAjw1emzBhB8EiwAHwZZxfp4PzM-h3Xp-9LYJ80z0YAQZjiAviN0VWWvFlrddf02grQKJrEwGBoCPYcQAvD_BwE#:~:text=Consistency%3A%20The%20Cardinality):
      1. Read the next queries.
         1. Can you give example with respect to JOLT.
         2. Single values ("ONE") not clear.
   2. To understand -> [Relationship](https://gemini.google.com/app/f0c710c74ea62fee?utm_source=google&utm_medium=cpc&utm_campaign=2024enIN_gemfeb&gad_source=1&gclid=CjwKCAjw1emzBhB8EiwAHwZZxfp4PzM-h3Xp-9LYJ80z0YAQZjiAviN0VWWvFlrddf02grQKJrEwGBoCPYcQAvD_BwE#:~:text=multi%2Dvalued%20field.-,Can%20you%20give,-one%20jolt%20example) Focus:

# modify-default-beta

1. [What is it](https://gemini.google.com/app/2740368bc5ec6552?utm_source=google&utm_medium=cpc&utm_campaign=2024enIN_gemfeb&gad_source=1&gclid=CjwKCAjw1emzBhB8EiwAHwZZxfp4PzM-h3Xp-9LYJ80z0YAQZjiAviN0VWWvFlrddf02grQKJrEwGBoCPYcQAvD_BwE#:~:text=Show%20drafts-,modify%2Ddefault%2Dbeta,-is%20a%20powerful)?