# Rest Assured and API Concepts

Things you need to fire any api

1. URI (endpoint, which may include base uri and endpoint (relative uri))
2. Method on this endpoint (get, post, put, delete)
3. Parameter to be passed (path, query, form)
4. Other things could be considered such as: auth, cookies, contentType etc.

There are plenty of ways available in rest assured to perform anything.

* Rest Assured is java based framework built over HTTP standard.

**Methods supported in HTTPs:**

1. **GET**

The GET method requests a representation of the specified resource. Requests using GET should only retrieve data.

1. **HEAD**

The HEAD method asks for a response identical to that of a GET request, but without the response body.

1. **POST**

The POST method is used to submit an entity to the specified resource, often causing a change in state or side effects on the server

1. **PUT**

The PUT method replaces all current representations of the target resource with the request payload.

1. **DELETE**

The DELETE method deletes the specified resource.

1. **CONNECT**

The CONNECT method establishes a tunnel to the server identified by the target resource.

1. **OPTIONS**

The OPTIONS method is used to describe the communication options for the target resource.

1. **TRACE**

The TRACE method performs a message loop-back test along the path to the target resource.

1. **PATCH**

The PATCH method is used to apply partial modifications to a resource.