# Web Api Testing Automation

Q. What are the very basic pre-requisite for writing automation test in Java ?  
Ans - Below are the very basic pre-requisite,

* Java
* Maven
* TestNG
* Junit

Q. What is a web api , and what are some important popular keywords associated with it ?

Ans - Web Api is basically an application which sits on server and serves content to other application over network. Below are the some important jargon of words in the world of restful api testing,

* EndPoint
* Resource
* Media Type (JSON or XML probably)

Web Api typically works as client - server architecture. Automated test that we will be writing will work as a client.

Q. What is a endpoint and what is a resource ?

Ans - We send request (HTTP GET or POST request) to an endpoint (Exact point to which request is sent) and response is received. Response is nothing but resource. Resource can be of different media type. Different media types are,

* JSON
* XML
* Images

Below are the things which we just read on the PluralSight course ("Getting started with Web API Test Automation in Java") - by - "Andrejs Doronins"

* We read about important Http headers
* We read about important Http methods (GET, POST, DELETE, OPTIONS). Below is the sample java code to call them,
  + new HttpGet(url)
  + new HttpPost(url)
  + new HttpDelete(url)
  + new HttpOptions(url)