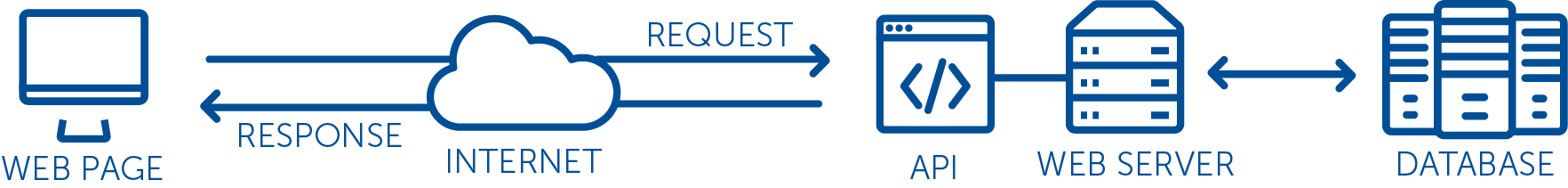
**API**

An application programming interface is a computing interface that defines interactions between multiple software applications or mixed hardware-software intermediaries. It defines the kinds of calls or requests that can be made, how to make them, the data formats that should be used, the conventions to follow, etc

**Flask**

**Flask** is an API of Python that allows us to build up web-applications. It was developed by Armin Ronacher.

**Installing flask**:

pip install flask

python -m pip install flask

conda install flask

* Flask like any other web application development framework, utilizes the HTTP methods. Let’s see the most used methods:

**a) GET:** The GET method means retrieve whatever information (in the form of an entity) is identified by the Request-URI. If the Request-URI refers to a data-producing process, it is the produced data which shall be returned as the response.

**b) POST:** The POST method is used to request that the origin server accept the entity enclosed in the request as a new subordinate of the resource identified by the Request-URI in the Request-Line. POST is designed to allow a uniform method to cover the following functions:

- Posting a message to a bulletin board, newsgroup, mailing list,

or similar group of articles;

- Providing a block of data, such as the result of submitting a

form, to a data-handling process;

- Extending a database through an append operation.

**c) PUT:** The PUT method requests that the enclosed entity be stored under the supplied Request-URI. If the Request-URI refers to an already existing resource, the enclosed entity SHOULD be considered as a modified version of the one residing on the origin server. If the Request-URI does not point to an existing resource, and that URI is capable of being defined as a new resource by the requesting user agent, the origin server can create the resource with that URI. If a new resource is created, the origin server MUST inform the user agent via the 201 (Created) response. If an existing resource is modified, either the 200 (OK).