What is action and method attributes of <form> tag?

The method attribute specifies how to send form-data (the form-data is sent to the page specified in the action attribute).

The form-data can be sent as URL variables (with method="get") or as HTTP post transaction (with method="post").

Why do we need forms concept in html?

An HTML form is used to collect user input. The user input is most often sent to a server for processing.

A form is the only way, traditionally, to send data back to the server from the client. Any element inside the form which has a name attribute will be sent to the server when the user clicks the form's submit button, and the server can use the value of any of those elements.

HTML5 still required the elements to be associated with a form to be submitted to the server, but they do not need to be inside the form anymore. HTML5 has ways for this to happen, usually by adding a form\*something\* attribute to the relevant elements.

What is GET and POST methods?

GET is used to request data from a specified resource.

Note that the query string (name/value pairs) is sent in the URL of a GET request

**Notes on GET:**

* Appends form-data into the URL in name/value pairs
* 2nd response gets ignored until the first request is executed.
* The length of a URL is limited (about 3000 characters)
* Never use GET to send sensitive data! (will be visible in the URL)
* Useful for form submissions where a user wants to bookmark the result/ GET requests can be bookmarked
* GET is better for non-secure data, like query strings in Google
* GET requests can be cached
* GET requests remain in the browser history
* GET requests have length restrictions
* GET requests are only used to request data (not modify)

POST is used to send data to a server to create/update a resource.

The data sent to the server with POST is stored in the request body of the HTTP request:

**Notes on POST:**

* POST requests are never cached
* POST requests do not remain in the browser history
* POST requests cannot be bookmarked
* POST requests have no restrictions on data length
* Appends form-data inside the body of the HTTP request (data is not shown in URL)
* Has no size limitations
* Form submissions with POST cannot be bookmarked