Code for taking students preferences:

function dragit(event){

shadow=event.target;

}

function dragover(e){

let children=Array.from(e.target.parentNode.parentNode.children);

if(children.indexOf(e.target.parentNode)>children.indexOf(shadow))

e.target.parentNode.after(shadow);

else e.target.parentNode.before(shadow);

}

Here we are calling the function dragit and dragover and storing the event and setting the target location where the user wants to drop it. We are showing topics in the form of a table in which every <tr> tag has a topic in it. So, we are adding these two functions on every <tr> so the student can drag and drop them in their preferred order.

This code is only for taking student’s input in an easy way rather than student typing his preferred number (1,2…5) in the input field for every topic or selecting the value of preference from a dropdown is more confusing and nor user-friendly. So, I have used this code from this source so can allocate more of my time in developing web application and algorithm. [https://codepen.io/nabildroid/pen/ZPwYvp].

Code for showing JSON data in a table with GET method:

var tableHTML = '';

      tableHTML +=

        '<tr><th>Topic ID</th><th>Topic Title</th><th>Topic link</th><th></th></tr>';

      for (var i = 0; i < response.length; i++) {

        //alert(response[i].title + response[i].link);

        tableHTML +=

          '<tr draggable="true"ondragstart="dragit(event)"ondragover="dragover(event)" id=' +

          response[i].title +

          '><td>' +

          (i + 1) +

          '</td><td>' +

          response[i].title +

          '</td><td>' +

          response[i].link +

          '</td><td class="preference"></td></tr>';

      }

To clearly show the values in the form of a table, in this code we get topics as a response from the database and runs length of the response times and adds every topic in a new row and also adds our drag function for every topic. This snippet of code is used from this source [<https://codepen.io/codingsite/pen/sdSDeffs>].