**Salesforce functions**

**Poc 1:**

Create a salesforce function to convert csv file to json .

- Read csv file , stored locally.

- Convert it into json string

Here , I have used , ‘csvtojson’ npm module.

**Steps:**

1. Generate function
   1. sf generate function -n csvtojson -l javascript
   2. OR Go to View -> Command Palette -> sfdx: Create Function and give a name to function and choose which language we are going to create function logic.
2. In terminal, go inside the function root path. Install csvtojson node module.

npm install --save csvtojson

1. Write all necessary logic
2. Run function locally .
   1. Start function : Go inside the function root path and run this command

**sf run function start**

Ex:

D:\chola\sf-functions-dev33\functions\csvtojson> sf run function start

1. Invoke the function
   1. Create payload.json file and click on ‘Invoke’ link .
   2. Or use run function command

**sf run function -l http://localhost:8080 -p '@payload.json'**

Payload.json

{

    "filename" : "D:/chola\_docs/account.csv"

}

**Result**

D:\chola\sf-functions-dev33\functions\csvtojson> sf run function -l http://localhost:8080 -p '@payload.json'

Using target-org dev33 login credential to initialize context

POST http://localhost:8080... 200

"[{\"account number\":\"123456781\",\"account name\":\"MyAccount1\",\"industry\":\"Technology\"},{\"account number\":\"123456782\",\"account name\":\"MyAccount2\",\"industry\":\"Textile\"},{\"account number\":\"123456783\",\"account name\":\"MyAccount3\",\"industry\":\"Technology\"},{\"account number\":\"123456784\",\"account name\":\"MyAccount4\",\"industry\":\"Textile\"},{\"account

number\":\"123456785\",\"account name\":\"MyAccount5\",\"industry\":\"Technology\"},{\"account number\":\"123456786\",\"account name\":\"MyAccount6\",\"industry\":\"Textile\"}]"

PS D:\chola\sf-functions-dev33\functions\csvtojson>

**Hints:**

To use default module exported inside function’s index .js , save module’s js file with (.mjs) extension.

And replace all ‘require’ statements into ‘import’ statements

Create payload.json file , in functions root path

**References :**

1. <https://developer.salesforce.com/docs/atlas.en-us.sfdx_cli_reference.meta/sfdx_cli_reference/cli_reference_run_commands_unified.htm>
2. <https://nodejs.org/api/esm.html#esm_enabling>
3. <https://developer.salesforce.com/docs/platform/functions/guide/develop.html>
4. https://adrianmejia.com/getting-started-with-node-js-modules-require-exports-imports-npm-and-beyond/