

**Step 1:**

Write a python script named "forecast\_collector" that will collect the hourly temperature from the following site:

<https://weather.com/weather/hourbyhour//ISXX0026:1:IS>

And save the table data in a json file named "forecast\_data.json".

**Json Structure:**

```
{
  "time": {
    "DESC": "Rain|Showers",
    "TEMP": "Temperature",
    "FEEL": "Temperature",
    "PRECIP": "% precip",
    "HUMIDITY": "% humidity",
    "WIND": "Wind description"
  }
}
```

**Example:**

```
{
  "12:00 AM": {
    "DESC": "Rain",
    "TEMP": "14",
    "FEEL": "12",
    "PRECIP": "70%",
    "HUMIDITY": "90%",
    "WIND": "SSE 8 km/h"
  }
}
```

**Step 2:**

Create MD5Sum file for the script

Upload the script & the MD5 into Github.

Write a pipeline job with any technology that you prefer that will perform the following:

- Checkout the Github repository.
- Stage 1: Verify the MD5 against the script file.
- Stage 2: execute the script.
- Stage 3: Validate "temperature\_data.json" structure (make sure the json structure is OK).

**Guidelines:**

- Write clean code
- Comments are welcome.

There is no time limit for the task so preferably do a good job as opposed to rushing it.

You may use any resource to help you succeed with the assignment.

Once the code is ready send us a link to the GitHub repository.

Good luck!