**Initialize your weather report log file**

### Create a text file called rx\_poc.log.

### touch rx\_poc.log Add a header to your weather report.

header=$(echo -e "year\tmonth\tday\thour\tobs\_tmp\tfc\_temp")

echo $header>rx\_poc.log

### Create a text file called rx\_poc.sh and make it a bash script.

nano rx\_poc.sh

echo "Hello, this is a test script."

chmod +x rx\_poc.sh

### Download today’s weather report from wttr.in

##### Create the filename for today’s wttr.in weather report

today=$(date +%Y%m%d)

weather\_report=raw\_data\_$today

weather\_report=raw\_data\_$(date +%Y%m%d)

##### Download the wttr.in weather report for Casablanca and save it with the filename you created

city=Casablanca

curl wttr.in/$city --output $weather\_report

### Extract the required data from the raw data file and assign them to variables obs\_tmp and fc\_temp.

echo "three two one" | rev | cut -d " " -f 1 | rev

echo "three two one " | rev | cut -d " " -f 1 | rev

echo "three two one " | xargs | rev | cut -d " " -f 1 | rev

grep °C $weather\_report > temperatures.txt

##### Extract the current temperature, and store it in a shell variable called obs\_tmp

obs\_tmp=$(head -1 temperatures.txt | tr -s " " | xargs | rev | cut -d " " -f2 | rev)

##### Extract tomorrow’s temperature forecast for noon, and store it in a shell variable called fc\_tmp

fc\_temp=$(head -3 temperatures.txt | tail -1 | tr -s " " | xargs | cut -d "C" -f2 | rev | cut -d " " -f2 | rev)

### Store the current hour, day, month, and year in corresponding shell variables

hour=$(TZ='Morocco/Casablanca' date -u +%H)

day=$(TZ='Morocco/Casablanca' date -u +%d)

month=$(TZ='Morocco/Casablanca' date +%m)

year=$(TZ='Morocco/Casablanca' date +%Y)

### Merge the fields into a tab-delimited record, corresponding to a single row in **Table 1**.

1. record=$(echo -e "$year\t$month\t$day\t$hour\t$obs\_tmp\t$fc\_temp")
2. echo $record>>rx\_poc.log

### Determine what time of day to run your script

UTC=UTC+5.5

### Create a cron job that runs your script

crontab -e

### 0 8 \* \* \* /home/project/rx\_poc.sh Check Result

ls

cat rx\_poc.log

cat temperatures.txt