Azure Data Factory Real Time Scenario Part - 31

Check Whether Particular Date is Working Day or Weekend
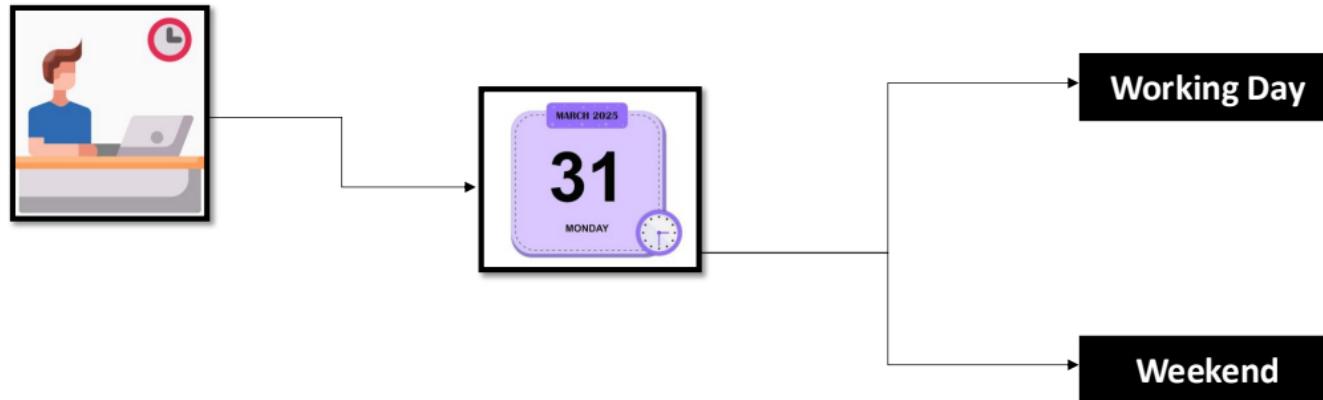
Praveen Patel
Azure Data Engineer
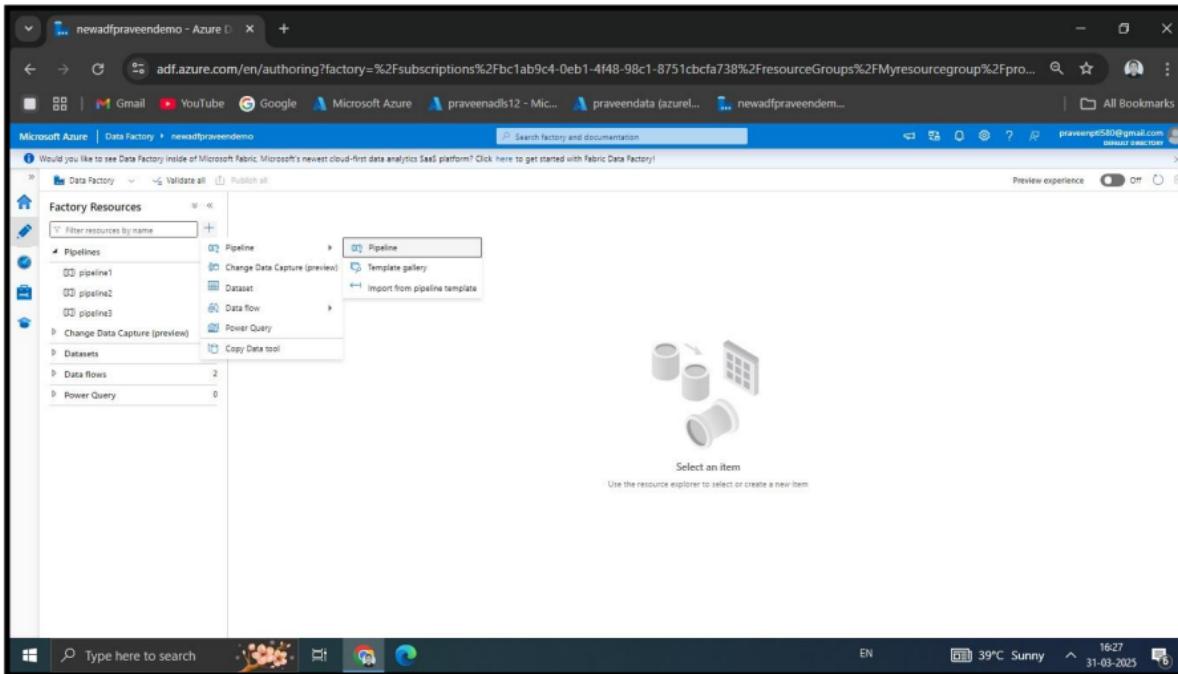
Suppose, You are an Azure Data Engineer at ABC company where you are having responsibility to build data pipeline. One day, A product manager comes to you to assign a business requirement to carry out, while assigning a business requirement he says you have to find out either working day or weekend based on passing parameter as any particular date by user.

Step 1

Open Azure Data Factory then go to author tab click on '+' icon and create a new pipeline.

Go to parameters create a new parameter EnterDate to pass date dynamically.

Next go to variables create a new variable WorkingDay and Weekend to use in set variable activity.

**Go to activity search bar search if condition activity in activity search bar select,drag and drop it.**
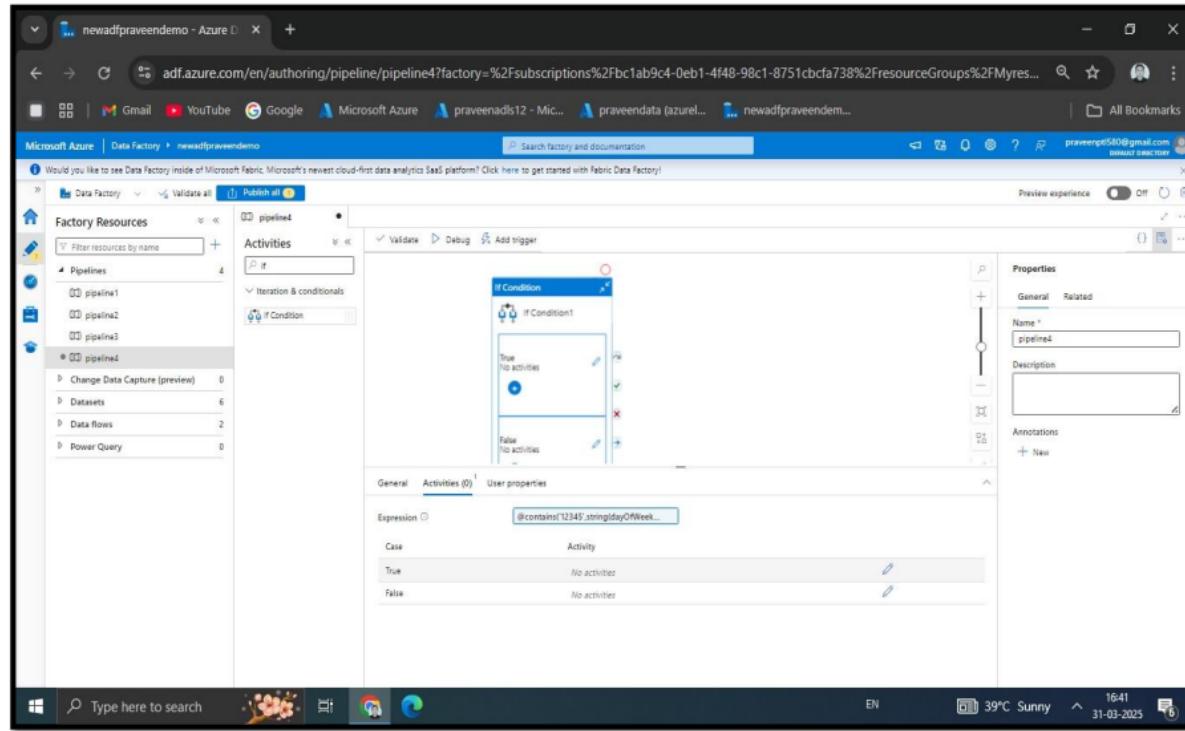
Go to if condition activities then go to expression add dynamic content provide the following expression in the expression builder it will ensure if particular date passed by user contains either 1 or 2 or 3 or 4 or 5 in that case if returns true otherwise false. Here, 1 represent monday, 2 represents tuesday like that 5 represents friday and 6 represents saturday. A dayofweek function takes date as parameter and returns a day in the form of 0,1,2,3,4,5.
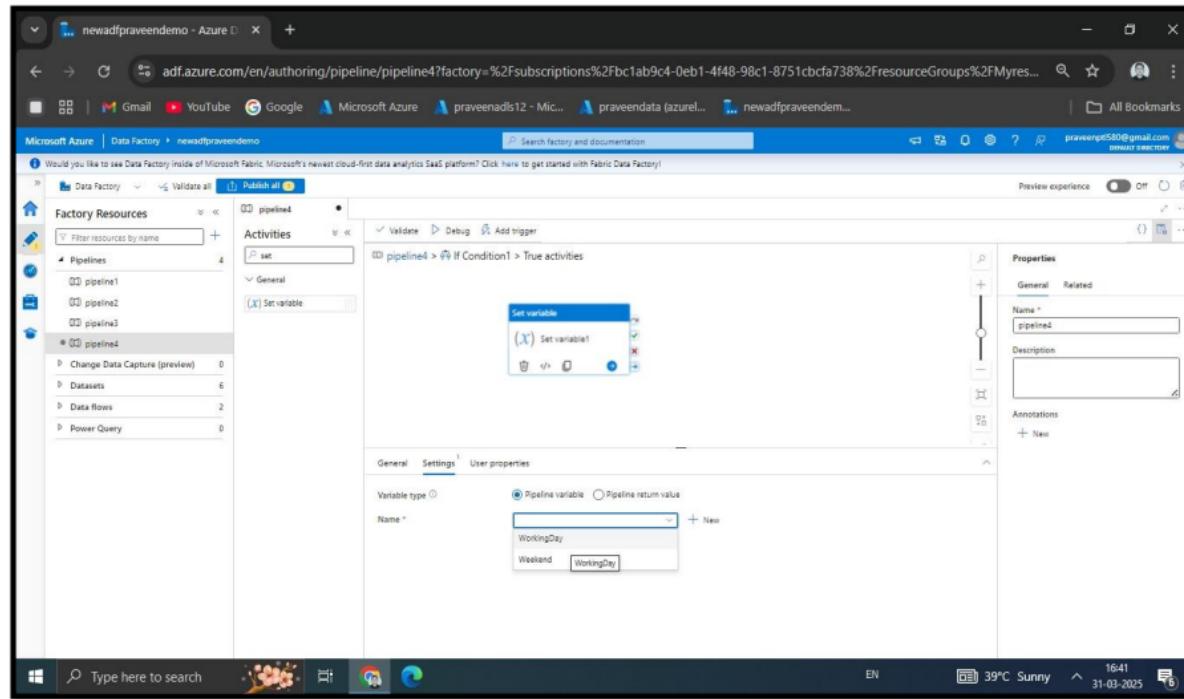
Next click on true case pencil to add set variable activity.
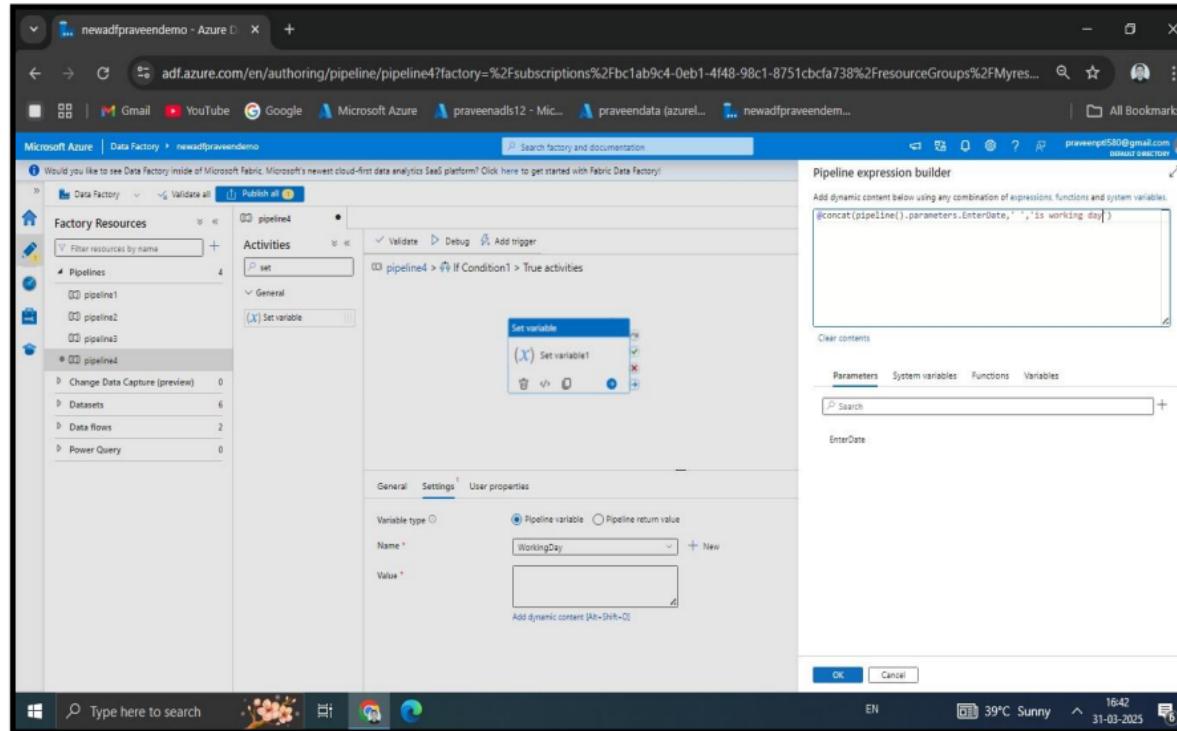
Go to activity search bar search set variable activity in activity search bar select, drag and drop it next go to settings select variable WorkingDay.
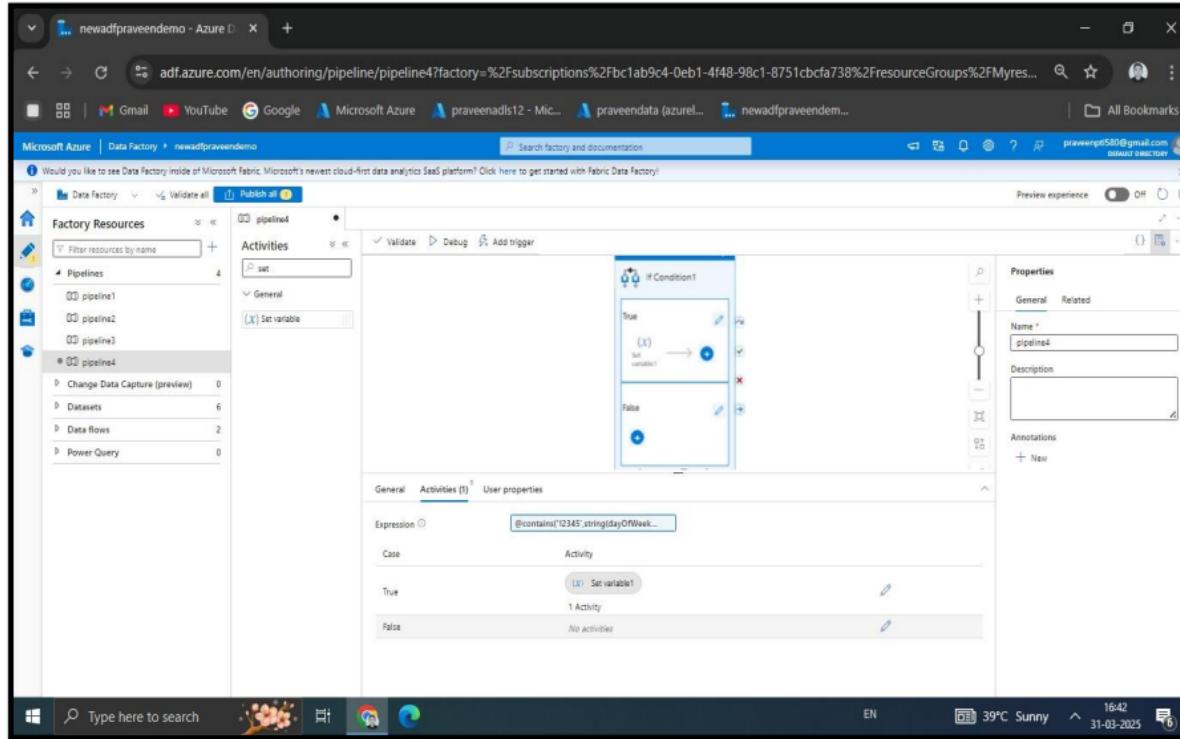
Next go to value add dynamic content provide the following expression in the expression builder.
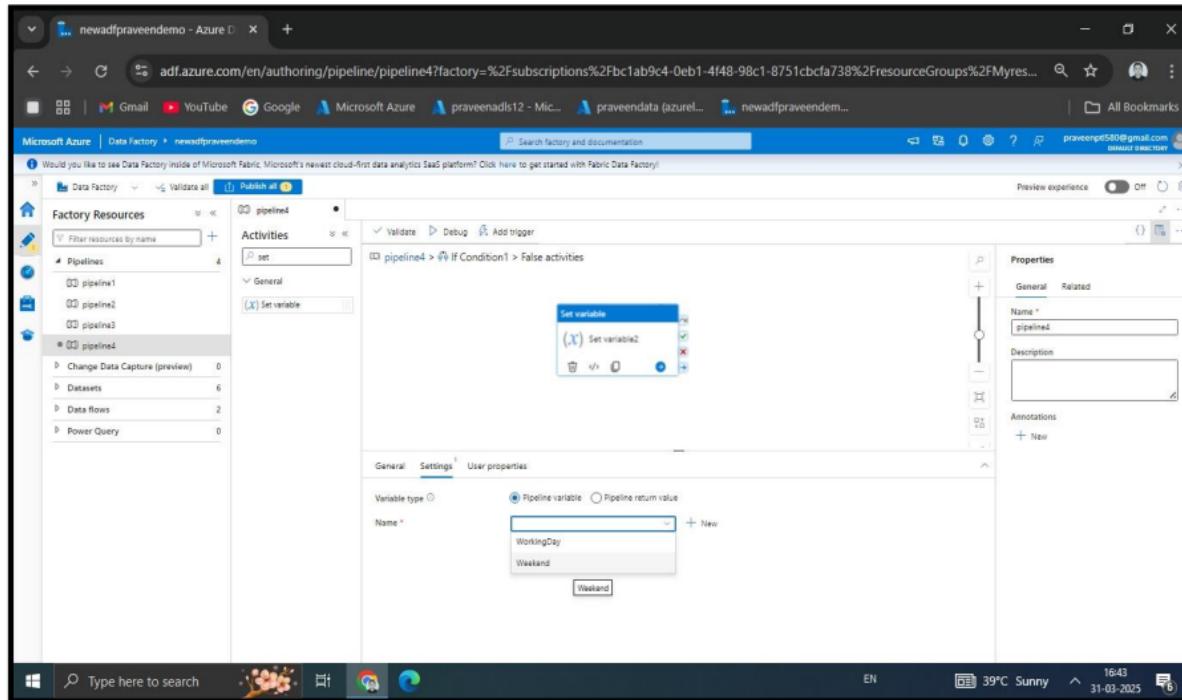
Next click on false case pencil to add set variable activity.
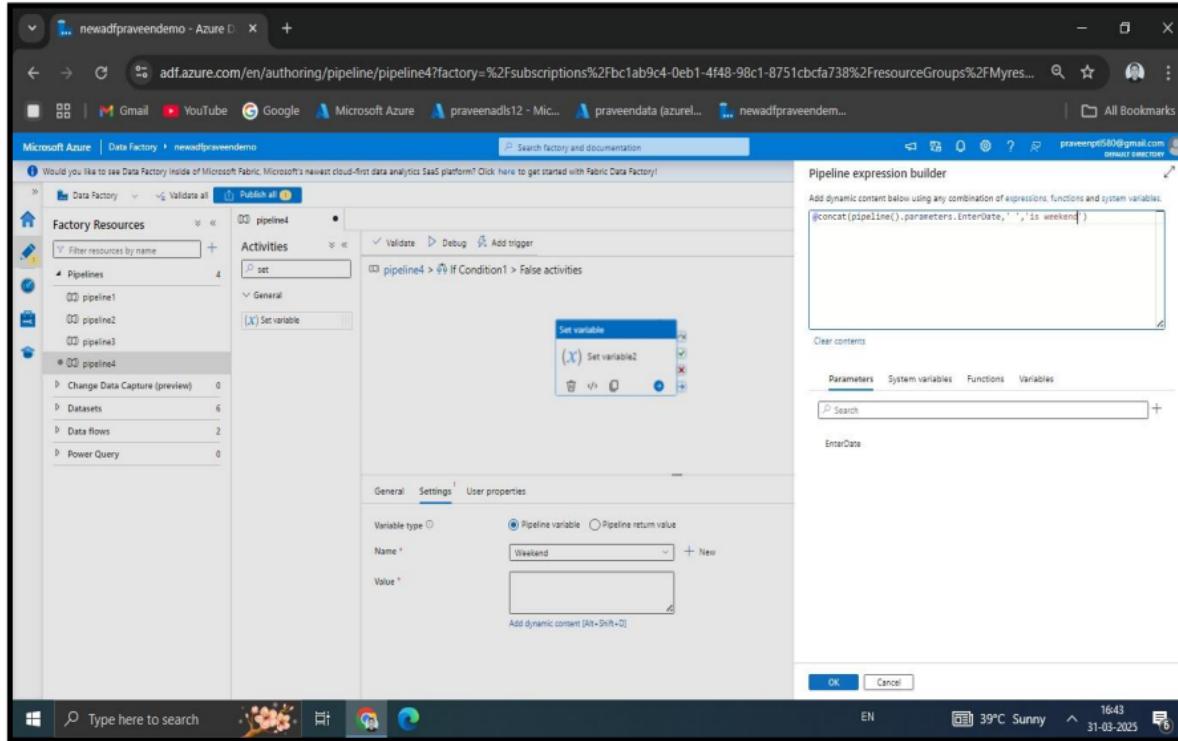
Go to activity search bar search set variable activity in activity search bar select, drag and drop it next go to settings select variable Weekend.
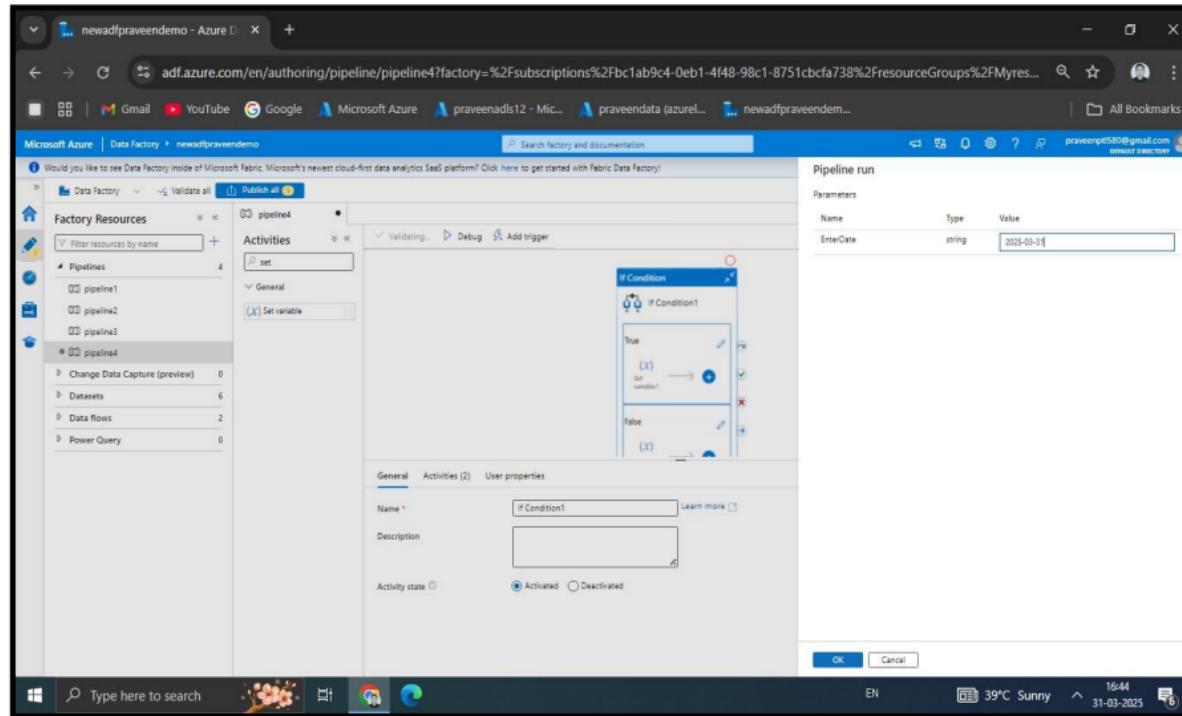
Next go to value add dynamic content provide the following expression in the expression builder.
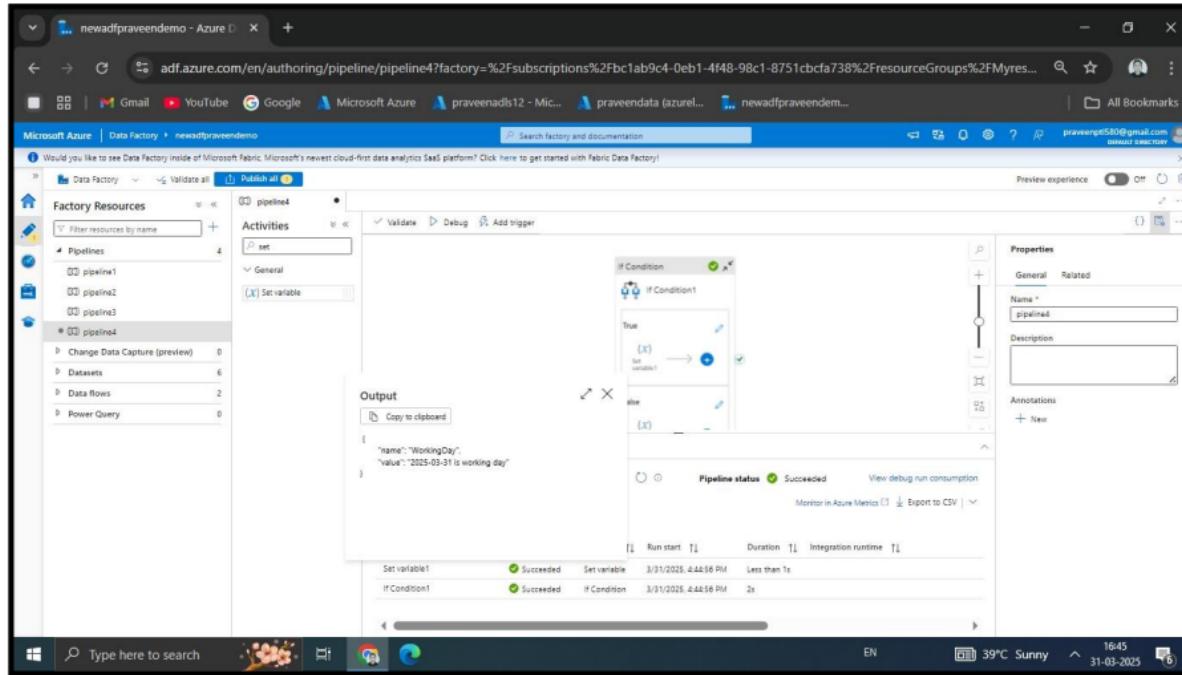
Now execute pipeline using debug mode provide date as of your choice i entered today's date with format yyyy-MM-dd to check whether it is working day or weekend.
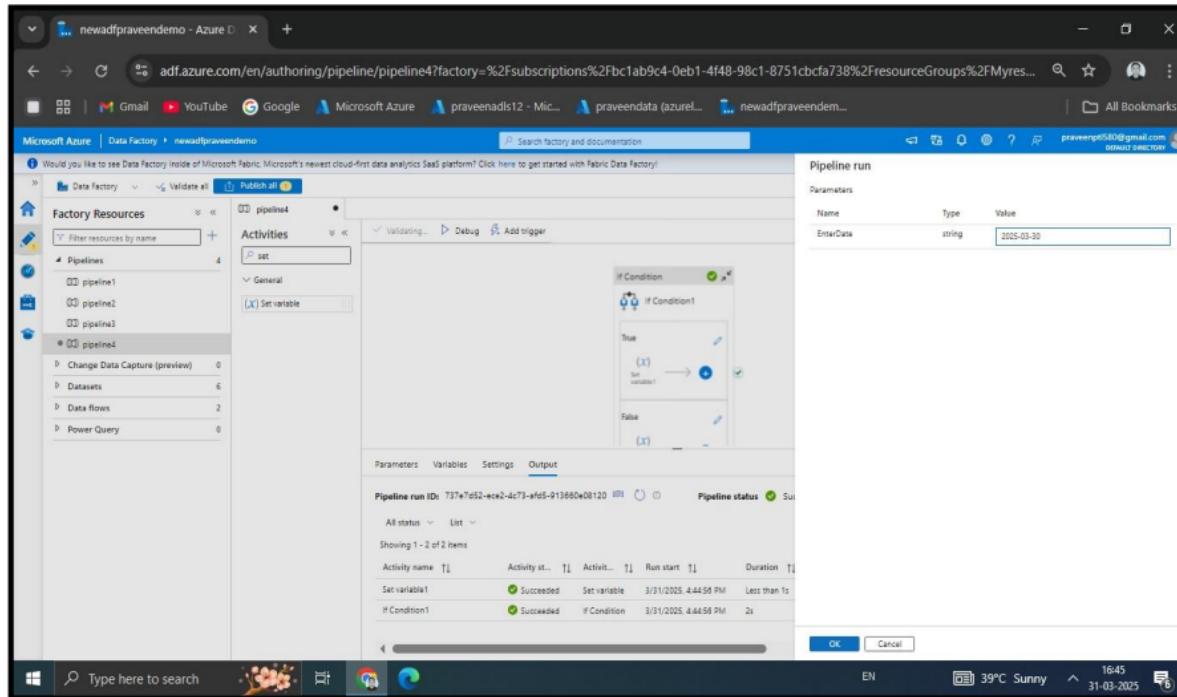
After pipeline is executed successfully go to set variable output icon you will be able to see today is working day.
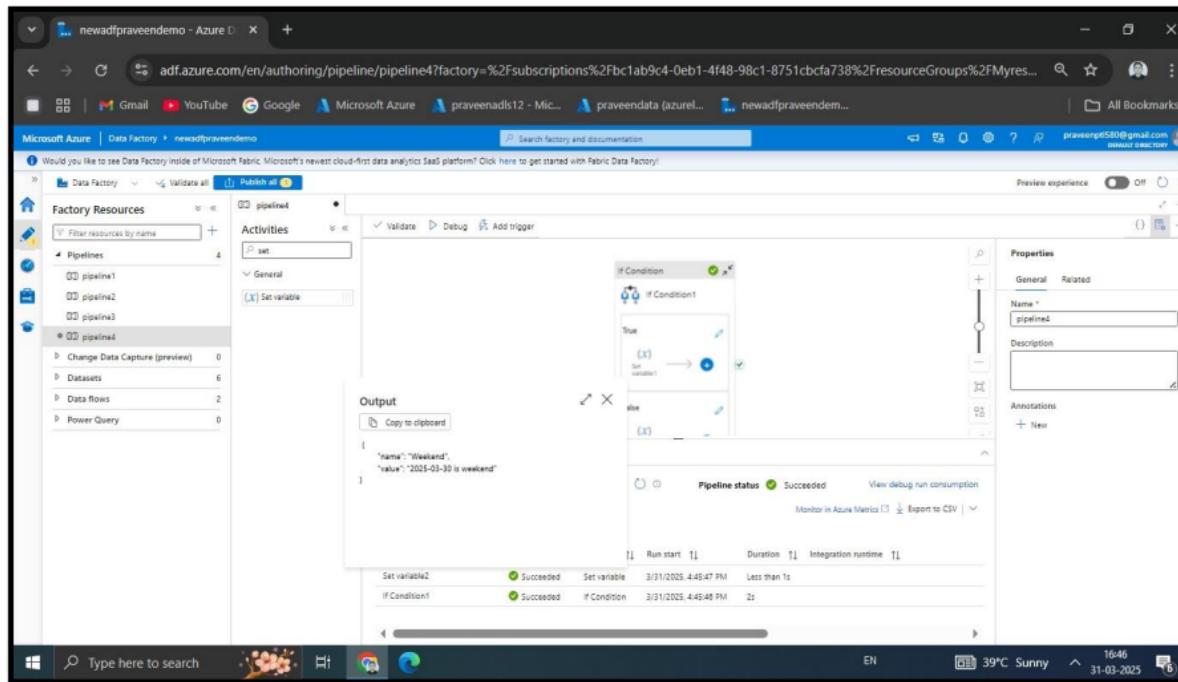
Once again i executed pipeline using debug mode and entered different date to check whether is weekday or weekend.

After pipeline execution when I went to set variable output icon i was able to see it was weekend on 30th march 2025.

Praveen Patel
Azure Data Engineer

Follow Me to Get Such More Content Like This