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## Program for Task3:

**Task-3:** Write a Spark job using SQL to count number of pressure (Pressure9am) readings at 9am for Launceston (location).

### *##Printing the question*

```
>>> print("\033[1m" + "Task 3: Write a Spark job using SQL to count number  
of pressure (Pressure9am) readings at 9am for Launceston (location)." +  
"\033[0m")
```

**Task 3: Write a Spark job using SQL to count number of pressure (Pressure9am) readings at 9am for Launceston (location).**

### *## Importing Packages*

```
>>> import pyspark  
>>> from pyspark.sql import SparkSession  
>>> from pyspark.sql.functions import *  
>>> from pyspark.sql.types import *  
>>> import pyspark.sql.functions as func  
>>> from datetime import datetime
```

### *## initialiizing sparksession object as session*

```
>>> sparksession = SparkSession.builder.appName("Twitter-  
stream").master("local[*]").getOrCreate()
```

### *## loading the data into dataframe*

```
>>> dataframe = sparksession.read.csv("/user/common_data/  
Spark_Assignment_Dataset.csv",header = True, inferSchema =  
True,nullValue = "NA")
```

### *##Create Views from DataFrame*

```
>>> dataframe.createOrReplaceTempView("views")
```

### *##Printing a sentence of task and resultant of Task3*

```
>>> sparksession.sql("select count(Pressure9am) from views where  
Location == 'Launceston' ").show()
```

```
+-----+  
| count(Pressure9am)|  
+-----+  
|                1887|  
+-----+
```