

Job Exercises:

Task 2:

The screenshot shows the Databricks Jobs configuration page for a job named "Data Transformation Job". The interface is divided into several sections:

- Runs / Tasks:** A central area showing a task named "Data_Transformation_Task" with its path and cluster.
- Configuration Fields:**
 - Type:** Notebook
 - Source:** Workspace
 - Path:** /Workspace/Users/azuser2121_mml.local@techademy.com/Job-Exercise-17th
 - Cluster:** azuser2121_mml.local's Cluster (16 GB · 4 Cores · DBR 15.4 LTS · Photon · Spark 3.5.0 · S...)
 - Dependent libraries:** + Add
 - Parameters:** UI | JSON
- Job details (Right Panel):**
 - Job ID:** 654601846567376
 - Creator:** azuser2121_mml.local
 - Run as:** azuser2121_mml.local
 - Tags:** Add tag
 - Description:** Add description
 - Schedule:** At 08:00 AM (UTC+00:00 — UTC) with buttons for Edit trigger, Pause, and Delete.
 - Job parameters:** No job parameters are defined for this job. Edit parameters
 - Job notifications:** No notifications. Edit notifications

Buttons at the bottom include "Cancel" and "Create task".

Task 3 (Setting Alerts):

The screenshot shows the "Job notifications" configuration dialog. It lists supported destinations: Email, Microsoft Teams, PagerDuty, Slack, and Webhook. A table shows the configuration for a notification destination:

Destination	Start	Success	Failure	Duration warning
✉ chandra27sai@gmail.com	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Below the table, there are checkboxes for "Mute notifications for skipped runs" and "Mute notifications for canceled runs", both of which are currently unchecked. At the bottom, there is a "+ Add notification" button and "Cancel" and "Save" buttons.

Task 5 (Running the job):

Workflows > Jobs > Data Transformation Job > Run 390847623092123 >

Data_Transformation_Task run

Succeeded

Edit taskRepair run

Output

Hide codeExport as HTML

```
df_job_orders = spark.read.csv("dbfs:/FileStore/job_orders_csv.csv", header=True, inferSchema=True)

df_transformed = df_job_orders.withColumn("TotalAmount", col("Quantity") * col("Price"))

df_filtered = df_transformed.filter(col("TotalAmount") > 5)

df_filtered.write.format("delta").mode("overwrite").save("dbfs:/FileStore/job_orders_delta")

delta_df = spark.read.format("delta").load("dbfs:/FileStore/job_orders_delta")
delta_df.show()
```

Task run details

Job ID654601846567376

Job run ID390847623092123

Task run ID429574607558477

Run asazuser2121_mml.local

LaunchedManually

Started09/17/2024, 01:53:40 PM

Ended09/17/2024, 01:53:49 PM

Duration9s

Queue duration-

StatusSucceeded

View run eventsView run libraries

Notebook

/Workspace/Users/azuser2121_mml.local@techademy.com/Job-Exercise-17th

Task 6:

Workflows

Jobs

Job runs

Run as2024-09-15 14:30:00 → 2024-09-17 14:30:00

Run statusError code

1

1

0

16 Sep, 12 AM16 Sep, 12 PM17 Sep, 12 AM

FailedSkippedSucceeded

Start time	Job	Run as	Launched	Duration	Status	Error code	Run pa
Sep 17, 2024, 01:53 PM	Data Transformation Job	azuser2121_mml.local	Manually	10s	Succeeded		