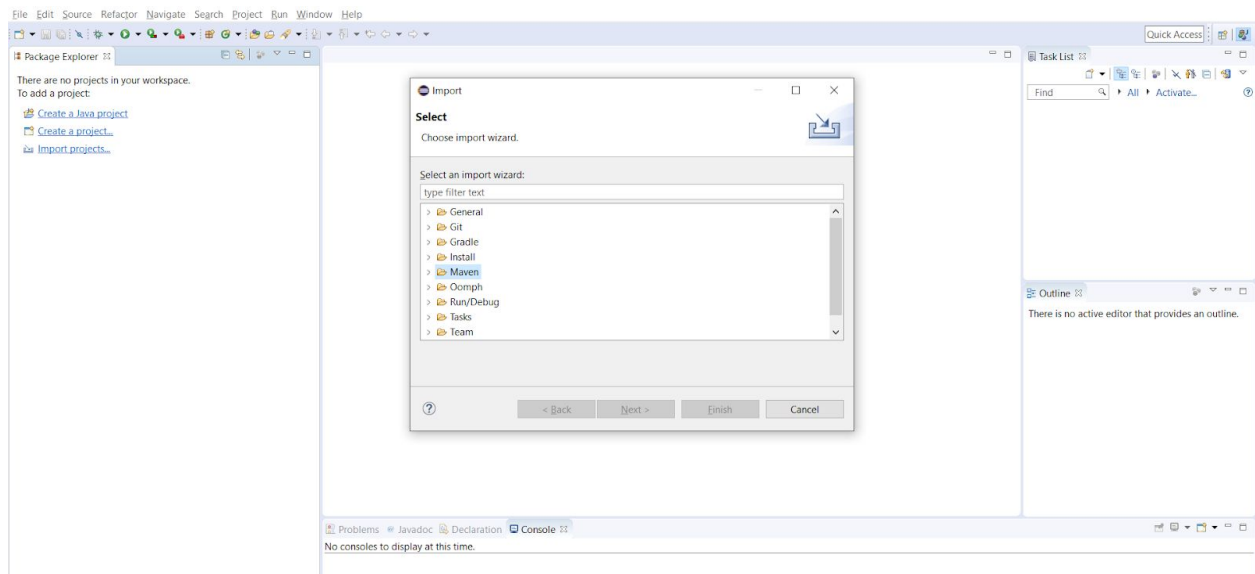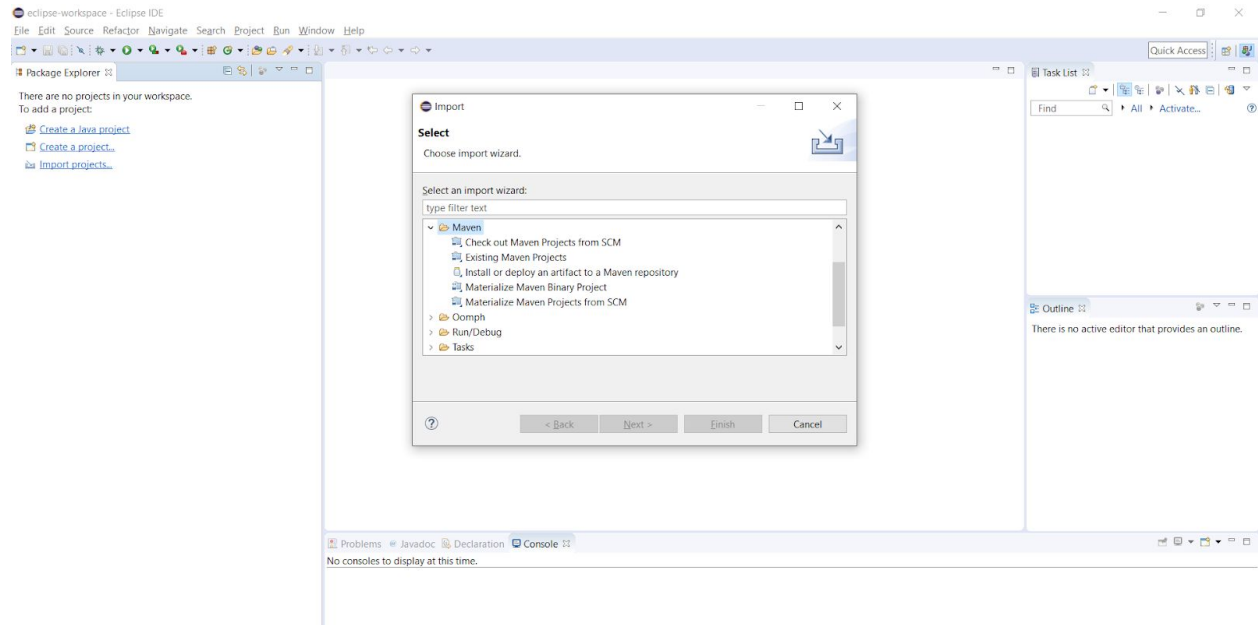# Import Project in Eclipse

Prerequisite

1. Make sure you have Maven plugin on your Eclipse
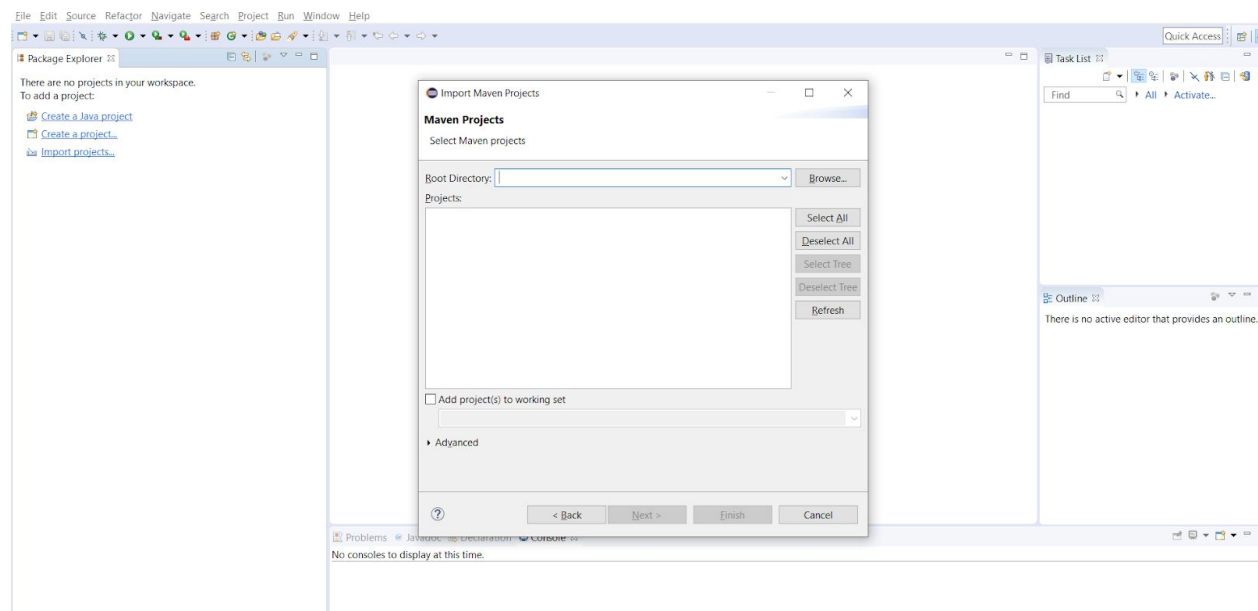2. JDK 1.8 or above installed on your system.

Steps to import the project

1. Open Eclipse IDE and then go to **File → Import**. Click on **Import.** Once you do so, a prompt window will appear as shown below.
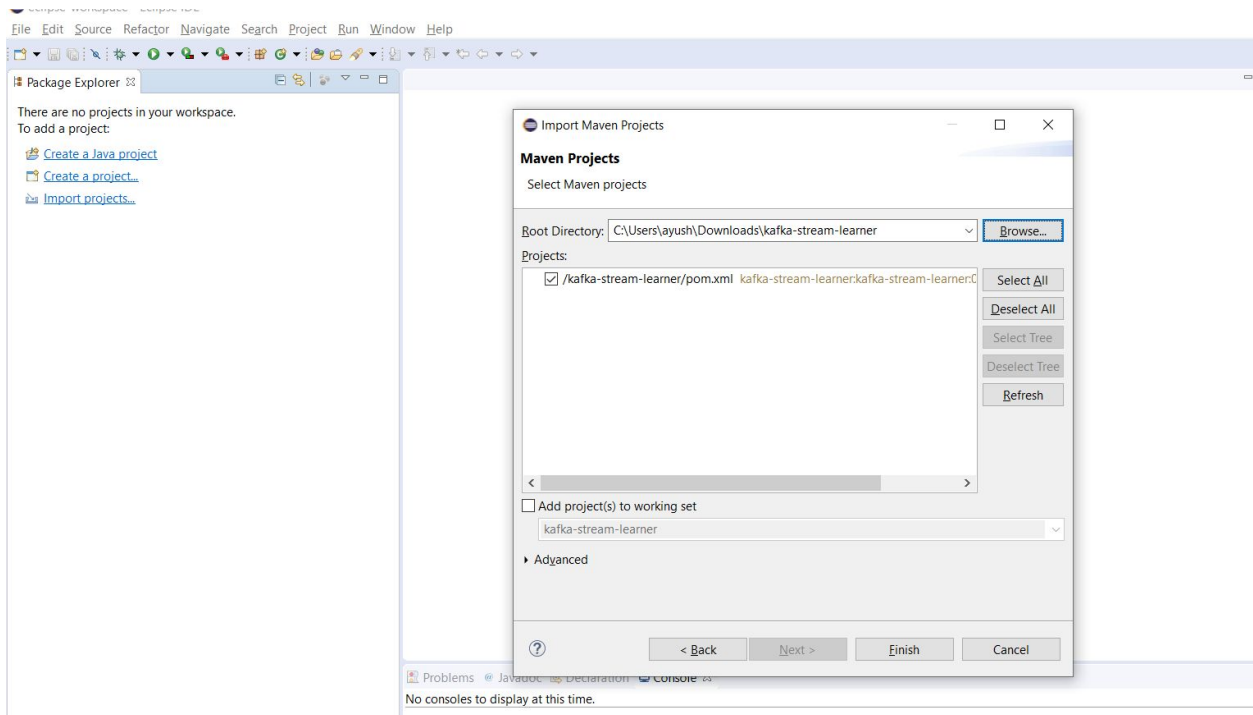

2. Next, click on the drop-down arrow to the left of Maven.

3. From the options that appear, select the option that says **Existing Maven Project** and then click on **Next**.

4. Click on **Browse** and select the directory that you had downloaded and extracted. Make sure that the check-box is selected as shown below.

5. Click on **Finish**. Once you do so, in the left-hand side of the screen in the **Package Explorer** window, you would see something as shown below.
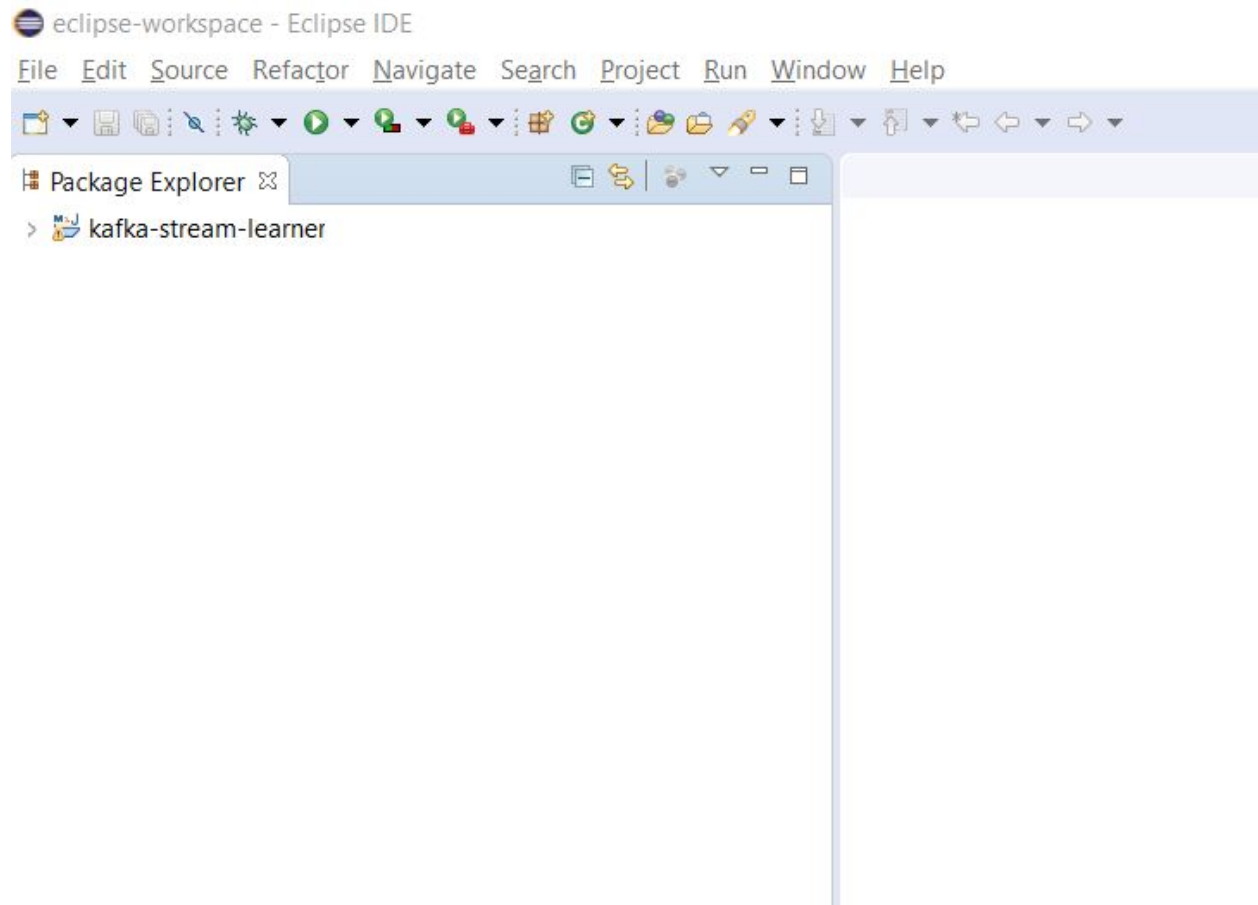
6. Click on the drop-down arrow to the left of **kafka-stream-learner**. You will see different files and folders present there.

7. Click on drop-down arrow to the left of **src/main/java** and then click on the drop-down to the left of **tutorial**. There you will see a class named **KafkaStream.java**. Double click on it and the class would open and you would get a screen as shown below.
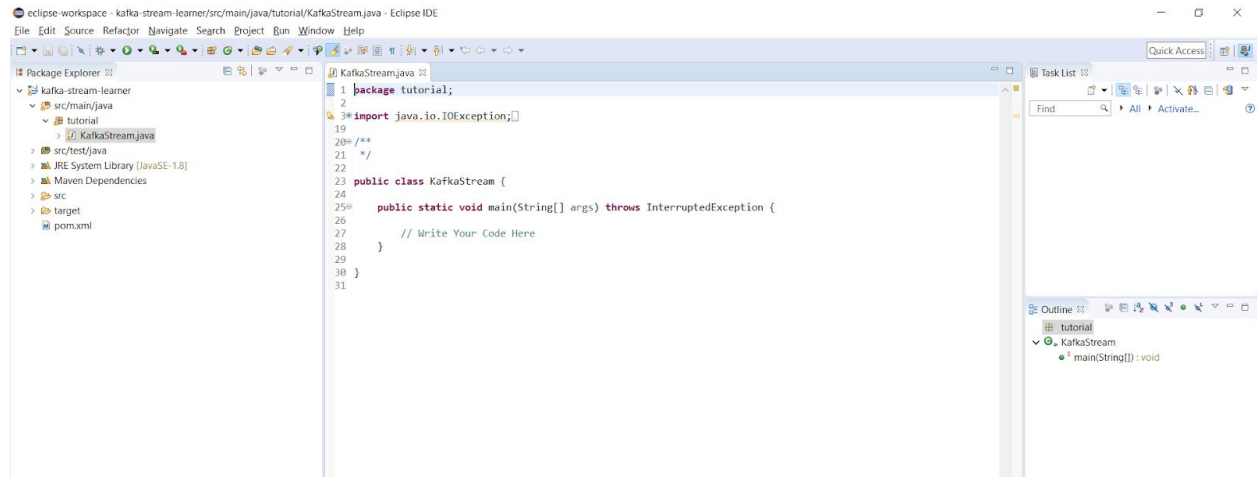
8. You need to write your code below the line which reads as follows:

```
// Write Your Code Here
```

Do not edit the existing code and just write inside the **main** method.

When specifying the bootstrap server make sure that you provide the IP address of your EC2 instance and the port number as 9092.

Steps to run the code

1. Once you have written the code, then right-click on **kafka-stream-learner** and then go to **run as** and then select the option that says **Maven clean**. Once you do so, in the console window, you would something as shown below.

You should get a message as **Build Success**.

2. Again follow the same steps as the previous one and this time run as **Maven install**.
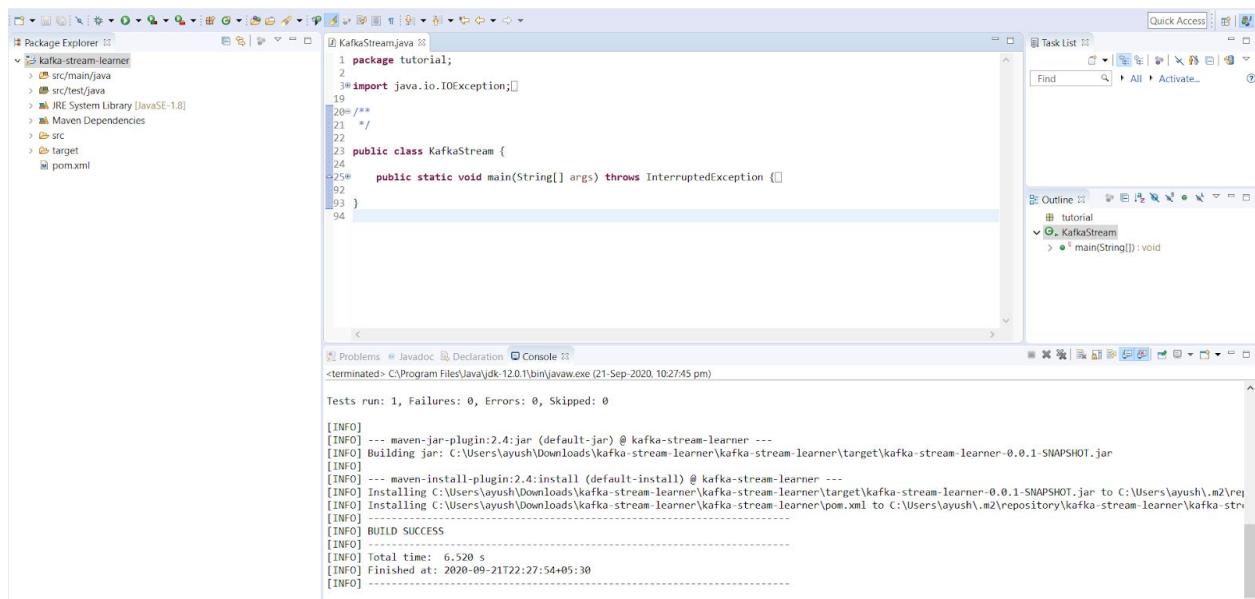
Again you will get the message **Build Success.**

3. Once you get the Build Success for both the previous steps, you need to start your EC2 instance and log in to it and then start the Kafka and Zookeeper server.
4. Next, you need to create a topic named **test.topic.Cosmetic_data**. Next, start a consumer which is listening to this topic using the kafka-console-consumer.

`(base) [ec2-user@ip-172-31-56-223 kafka_2.12-2.3.0]$ bin/kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic test.topic.Cosmetic_data --from-beginning`

5. Next, go to the Eclipse IDE and in the **Package Explorer** navigate to **KafkaStream.java** class and right-click on it and then go to **run as** and then select **Java Application**.

6. If you have correctly written the kafka stream application then you would get the following in your consumer console.

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You can see that all the items that had item type as Cosmetics will be printed on the consumer console.