**WORK FLOW**

**Code overview:-**

This Python script interacts with the Amazon Selling Partner API to retrieve order data. It defines functions to retrieve order data and generate order summaries.

1. **Import Necessary Libraries:-**

* The script starts by importing the requests library, which is used to make HTTP requests.

1. **Set Amazon SPAPI Credentials:**

* The client\_id and client\_secret are set to the Amazon SPAPI credentials.
* The auth\_url and orders\_url are defined as the API endpoints.
* Retrieve Order Data:
* The retrieve\_order\_data function is defined to retrieve order data from the Amazon Selling Partner API.
* It takes an access token as an argument
* The function sends a GET request to the orders\_url with the access token in the headers to authenticate.
* It checks the response status code. If the response is successful it returns the JSON response data. If not, it raises an exception with an error message.

1. **Generate Order Summaries:**

* The generate\_order\_summaries function takes the order data returned by retrieve\_order\_data.
* It processes the order data to extract relevant information for order summaries.
* It iterates through the orders, extracting details such as order ID, customer name, order date, product name, product quantity, order total, and assignment.
* It appends the extracted information to a list of summaries.

**4. Main Function:**

* The main function is defined to execute the code.
* It starts by obtaining an access token (you've hardcoded it, but in a real application, this should be obtained securely through an OAuth2 flow).
* It calls retrieve\_order\_data to get order data and then generate\_order\_summaries to generate summaries.
* It prints the order summaries.