Overview: I'm going to use SQL*Loader in order to import information from an external source into the Oracle Database. In this case, I have made a csv file called Product Part Names that has all the information like supplier id, part number, product name, and unit price. The goal is to add them to my table called PRODUCT_PART_NAMES.

Step 1: I first need to create a control file, record the path of the csv file, and what table to append it to. I name this control file as 'ProductCTL.ctl'

```
Load Data
INFILE 'C:\Users\[redacted]CSV Files\Product_Part_Names_File.csv'
APPEND
INTO Table IMPORT_NEW_PRODUCTS
FIELDS TERMINATED BY ','
(SUPPLIER_ID, PART_NUMBER, PRODUCT_NAME, UNIT_PRICE
)
```

Step 2: Now that I've created my CTL file, I need to create the table in my database that will import the information from this csv file.

```
CREATE TABLE IMPORT_NEW_PRODUCTS(
    SUPPLIER_ID INT,
    PART_NUMBER VARCHAR2(255),
    PRODUCT_NAME VARCHAR2(255),
    UNIT_PRICE NUMBER(10,2)
);
```

Step 3: I'll open my command prompt to run the following line. This will run the control file and import the file into my database

```
sqlldr control='C:\Users\[redacted]CSV Files\ProductCTL.ctl'
log ='C:\Users\[redacted]\CSV Files\ctlLog.log'
```

Command Prompt will then tell me if it was uploaded correctly. In this case, it tells me that 45 rows were loaded successfully.

```
Path used:      Conventional
Commit point reached - logical record count 44
Commit point reached - logical record count 45

Table IMPORT_NEW_PRODUCTS:
  45 Rows successfully loaded.
```

Now in our database we will see that it has been added into our table

```
SELECT *
FROM IMPORT_NEW_PRODUCTS;
```

Script Output | Query Result | SQL | All Rows Fetched: 45 in 0.002 seconds

	SUPPLIER_ID	PART_NUMBER	PRODUCT_NAME	UNIT_PRICE
1	4	42757085	Brake_Pad_1	80.63
2	4	84769879	Brake_Pad_2	84.58
3	4	19286095	Brake_Pad_3	41.45
4	4	19286027	Brake_Pad_4	24.12
5	4	19286123	Brake_Pad_5	49.19
6	2	1551-0703-00	Brake_Pad_6	32.5
7	2	1310-1892-00	Brake_Pad_7	43.59
8	2	1400-1303-00	Brake_Pad_8	78.13
9	2	1310-1185-00	Brake_Pad_9	46.93
10	2	1310-1324-00	Brake_Pad_10	23.79
11	4	19302744	Spark_Plug_1	2.59
12	4	12622441	Spark_Plug_2	9.8
13	4	19417055	Spark_Plug_3	9.8
14	4	19299585	Spark_Plug_4	8.05
15	4	12620540	Spark_Plug_5	9.8

Step 4: We will now add these items into the table PRODUCT_PART_NAMES by executing READ_CSV_PART_NAMES. This will now add them into our table.

	P_ID	SUPPLIER_ID	PART_NUMBER	PRODUCT_NAME	UNIT_PRICE
1	1	4	42757085	Brake_Pad_1	80.63
2	2	4	84769879	Brake_Pad_2	84.58
3	3	4	19286095	Brake_Pad_3	41.45
4	4	4	19286027	Brake_Pad_4	24.12
5	5	4	19286123	Brake_Pad_5	49.19
6	6	2	1551-0703-00	Brake_Pad_6	32.5

Note: I've added the procedures into my github.