**Exercise 1:**

Create a workflow to extract data from *Retail\_Source\_DATA\_1* and load into a Flat file target. The target should be a ~ delimited file.

**Exercise 2:**

Create a workflow to extract data from *Retail\_Source\_DATA\_1* and load into the RETAILtable. Use the below DDL to create the RETAIL table.

CREATE TABLE RETAIL

(

CUSTOMER\_ID INTEGER,

CUSTOMER\_F\_NAME VARCHAR2(100),

CUSTOMER\_L\_NAME VARCHAR2(100),

CUSTOMER\_CITY VARCHAR2(100),

CUSTOMER\_ZIP VARCHAR2 (100),

COUNTRY VARCHAR2(100),

STORE\_NUMBER VARCHAR2(100),

CUST\_CONTACT\_PHONE VARCHAR2(50),

CUST\_ACTIVE VARCHAR2(100)

)

**Exercise 3:**

Create a workflow to extract data from *RETAIL\_SOURCE\_DATA\_1* and transform the data using the below logics:

1. First Name and Last Name should be concatenated using a ‘ ‘(SPACE)
2. In case of NULL value in First Name and Last Name hardcode it as ‘FNL’ for First Name and ‘LNU’ for Last Name

The target shall be a comma separated Flat file in the below structure

*CUSTOMER\_ID, NAME, CUSTOMER\_CITY, CUSTOMER\_ZIP, COUNTRY, STORE\_NUMBER, CUST\_CONTACT\_PHONE, CUST\_ACTIVE*

**Exercise 4:**

Create a workflow to extract data from *RETAIL\_SOURCE\_DATA\_1* and load the flat file target with the list of Customers doesn’t have a phone number.

The target shall be a | separated Flat file in the below structure

CUSTOMER\_ID, CUSTOMER\_F\_NAME, CUSTOMER\_L\_NAME, CUSTOMER\_CITY, CUSTOMER\_ZIP, COUNTRY, STORE\_NUMBER, CUST\_CONTACT\_PHONE, CUST\_ACTIVE

**Exercise 5:**

Create a workflow to extract data from *RETAIL\_SOURCE\_DATA\_1* and load the 2 flat file targets. One for Active and One for Non-Active Customer.

Flat file name 1: RETAIL\_CUST\_ACTIVE

Flat file name 2: RETAIL\_CUST\_INACTIVE

The targets shall be a tab separated Flat file in the below structure

CUSTOMER\_ID, CUSTOMER\_F\_NAME, CUSTOMER\_L\_NAME, CUSTOMER\_CITY, CUSTOMER\_ZIP, COUNTRY, CUST\_CONTACT\_PHONE, CUST\_ACTIVE

**Exercise 6:**

Create a workflow to extract data from *RETAIL\_SOURCE\_DATA\_1* and load the flat file target.

Populate the target record Descending order based on STORE\_NUMBER.

The targets shall be a comma separated Flat file in the below structure

CUSTOMER\_ID,CUSTOMER\_F\_NAME,CUSTOMER\_L\_NAME,CUSTOMER\_CITY,CUSTOMER\_ZIP,COUNTRY,STORE\_NUMBER,CUST\_CONTACT\_PHONE,CUST\_ACTIVE

**Exercise 7:**

Create a workflow to extract data from *RETAIL\_SOURCE\_DATA\_1* and load the Top 10 Active customers in United States in a ‘,’separated flat file. The target structure shall be

CUSTOMER\_ID, CUSTOMER\_F\_NAME, CUSTOMER\_L\_NAME, CUSTOMER\_CITY, CUSTOMER\_ZIP, COUNTRY, STORE\_NUMBER, CUST\_CONTACT\_PHONE, CUST\_ACTIVE

**Exercise 8:**

Create a workflow to extract data from *RETAIL\_SOURCE\_DATA\_1* *and* load only the valid records to flat file(i.e) phone number should not contain null value .Generate a column surrogate key(CUST\_SOR\_KEY) should be loaded with a continuous number. The target structure shall be

CUST\_SOR\_KEY*,*CUSTOMER\_ID,CUSTOMER\_F\_NAME,CUSTOMER\_L\_NAME,CUSTOMER\_CITY,CUSTOMER\_ZIP,COUNTRY,STORE\_NUMBER,CUST\_CONTACT\_PHONE,CUST\_ACTIVE

**Exercise 9:**

Create a workflow to extract data from *RETAIL\_SOURCE\_DATA\_1* & lookup *RETAIL\_SOURCE\_DATA\_3* table and load the target data in the below CSV format

CUSTOMER\_ID,CUSTOMER\_F\_NAME,CUSTOMER\_L\_NAME,CUSTOMER\_CITY,CUSTOMER\_ZIP,COUNTRY,STORE\_NUMBER,CUST\_CONTACT\_PHONE,CUST\_ACTIVE, COUNTRY\_CODE

**Exercise 10:**

Create a workflow to extract data from *RETAIL\_SOURCE\_DATA\_1* & *RETAIL\_SOURCE\_DATA\_2* and load the target in the ‘~ delimited format. The target structure shall be

CUSTOMER\_ID, CUSTOMER\_F\_NAME, CUSTOMER\_L\_NAME, CUSTOMER\_CITY, CUSTOMER\_ZIP, COUNTRY, STORE\_NUMBER, CUST\_CONTACT\_PHONE, CUST\_ACTIVE, COUNTRY\_CODE, STORE\_NAME, STORE\_LOCATION, STORE\_PHONE

***Note****: Implement Inner join in mapping*

**Exercise 11:**

Create a workflow to extract data from *RETAIL\_SOURCE\_DATA\_1* and load the Count of Active customer for each country. The target shall be in the below TAB delimited format

COUNTRY, NO\_OF\_CUST\_ACTIVE