**Important Instructions:**

1. Please read the document thoroughly before you code.
2. Please do not change the Business Requirements.

**Exercise1:**

Create a workflow to extract the below patient details from the given source file PATIENT\_DATA and to load in flat file with pipe delimiter.

* 1. Patient\_id
  2. Patient\_Name (Concatenating patient first name and patient last name)
  3. Gender
  4. Age
  5. Primary Hospital

**Exercise2:**

Create a workflow to load the table PATIENT in the database with the below columns. Use the PATIENT\_DATA file as source.

|  |  |  |
| --- | --- | --- |
| S.NO | COLUMN\_NAME | DATATYPE |
| 1 | patient\_id | Number |
| 2 | patient\_first\_name | Varchar2(30) |
| 3 | patient\_last\_name | Varchar2(30) |
| 4 | SSN | Varchar2(30) |
| 5 | email | Varchar2(50) |
| 6 | gender | Varchar2(10) |
| 7 | age | Number |
| 8 | Primary hospital | Varchar2(100) |
| 9 | Payer\_ID | Number |
| 10 | Payer\_customer\_ID | Number |

**Exercise 3:**

Create a workflow to extract data from PATIENT\_DATA file and load into 3 different target flat files. One for the age class between 0 and 30, one for the age class between 31 to 60 and one for the age more than 60

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

*Patient\_Id, patient\_first\_Name,Email,Gender,Age*

**Exercise 4:**

Create a workflow to extract data from PATIENT\_DATA file and load into a flat file for the patients for whom the email id is not provided.

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

*Patient\_Id, patient\_first\_Name,Email,Gender,Age*

**Exercise 5:**

Create a workflow to extract data from PATIENT\_DATA file and load the flat file target, based on the descending patient id

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

*Patient\_Id, patient\_first\_Name,Email,Gender,Age*

**Exercise 6:**

Create a workflow to extract data from PATIENT\_DATA file and load it to the flat file as per the below logics.

1. Get the first 3 characters from the patient\_last\_name
2. Replace the NULL with ‘NA’ in Email

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

*Patient\_Id, patient\_first\_Name, patient\_last\_Name ,Email,Gender,Age*

**Exercise 7:**

Create a workflow to extract data from PATIENT\_DATA file and load it to the flat file. Get the payer name from the PAYER source file by looking up the payer\_id field.

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

*Patient\_Id, patient\_first\_Name,Email,payer\_id,payer\_name*

**Exercise 8:**

Create a workflow to extract data from PATIENT\_DATA file and load the top aged patients in the file

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

*Patient\_Id, patient\_first\_Name,Email,Age*

**Exercise 9:**

Create a workflow to extract data from PATIENT\_DATA file and load it to the flat file with the surrogate key column should be loaded with a continuous number

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

*Surrogate\_key,Patient\_Id, patient\_first\_Name,Email,Age*

**Exercise 10:**

Create a workflow to extract data from PATIENT\_DATA and PAYER files and load it to the flat file in the below format. Use payer\_id as a common column between the 2 source files.

The target shall be a comma separated Flat file in the below structure *Patient\_Id,patient\_first\_Name,payer\_id,payer\_name,payer\_head\_office,country*