let

Source = Excel.Workbook(File.Contents("D:\Rashmi\_Learning\DATA\KSR dataset\EmployeeData.xlsx"), null, true),

EmployeeData1\_Sheet = Source{[Item="EmployeeData1",Kind="Sheet"]}[Data],

#"Promoted Headers" = Table.PromoteHeaders(EmployeeData1\_Sheet, [PromoteAllScalars=true]),

#"Changed Type" = Table.TransformColumnTypes(#"Promoted Headers",{{"EmployeeID", Int64.Type}, {"NationalIDNumber", Int64.Type}, {"ContactID", Int64.Type}, {"LoginID", type text}, {"ManagerID", Int64.Type}, {"Title", type text}, {"BirthDate", type datetime}, {"MaritalStatus", type text}, {"Gender", type text}, {"HireDate", type datetime}, {"Dept", type text}, {"Salary", Int64.Type}, {"Job Grade", type text}, {"CurrentFlag", Int64.Type}, {"rowguid", type text}}),

#"Removed Columns" = Table.RemoveColumns(#"Changed Type",{"NationalIDNumber", "ContactID", "LoginID"}),

#"Renamed Columns" = Table.RenameColumns(#"Removed Columns",{{"Title", "Full Name"}}),

#"Changed Type1" = Table.TransformColumnTypes(#"Renamed Columns",{{"BirthDate", type date}, {"HireDate", type date}}),

#"Removed Columns1" = Table.RemoveColumns(#"Changed Type1",{"CurrentFlag", "rowguid", "ManagerID"}),

#"Replaced Value" = Table.ReplaceValue(#"Removed Columns1","M","Married",Replacer.ReplaceText,{"MaritalStatus"}),

#"Replaced Value1" = Table.ReplaceValue(#"Replaced Value","S","Single",Replacer.ReplaceText,{"MaritalStatus"}),

#"Replaced Value2" = Table.ReplaceValue(#"Replaced Value1","M","Male",Replacer.ReplaceText,{"Gender"}),

#"Replaced Value3" = Table.ReplaceValue(#"Replaced Value2","F","Female",Replacer.ReplaceText,{"Gender"}),

#"Inserted Age" = Table.AddColumn(#"Replaced Value3", "Age", each Date.From(DateTime.LocalNow()) - [BirthDate], type duration),

#"Changed Type2" = Table.TransformColumnTypes(#"Inserted Age",{{"Age", type duration}}),

#"Inserted Total Years" = Table.AddColumn(#"Changed Type2", "Total Years", each Duration.TotalDays([Age]) / 365, type number),

#"Changed Type3" = Table.TransformColumnTypes(#"Inserted Total Years",{{"Total Years", Int64.Type}}),

#"Inserted Text Before Delimiter" = Table.AddColumn(#"Changed Type3", "Text Before Delimiter", each Text.BeforeDelimiter([Full Name], " "), type text),

#"Renamed Columns1" = Table.RenameColumns(#"Inserted Text Before Delimiter",{{"Text Before Delimiter", "First Name"}}),

#"Inserted Text After Delimiter" = Table.AddColumn(#"Renamed Columns1", "Text After Delimiter", each Text.AfterDelimiter([Full Name], " "), type text),

#"Renamed Columns2" = Table.RenameColumns(#"Inserted Text After Delimiter",{{"Text After Delimiter", "Last Name"}}),

#"Split Column by Position" = Table.SplitColumn(#"Renamed Columns2", "Full Name", Splitter.SplitTextByPositions({0, 7}, false), {"Full Name.1", "Full Name.2"}),

#"Changed Type4" = Table.TransformColumnTypes(#"Split Column by Position",{{"Full Name.1", type text}, {"Full Name.2", type text}}),

#"Replaced Value4" = Table.ReplaceValue(#"Changed Type4","Male","M",Replacer.ReplaceText,{"Gender"}),

#"Replaced Value5" = Table.ReplaceValue(#"Replaced Value4","Female","F",Replacer.ReplaceText,{"Gender"}),

#"Inserted Merged Column" = Table.AddColumn(#"Replaced Value5", "Dept\_Job", each Text.Combine({[Dept], [Job Grade]}, "----->"), type text),

#"Calculated Total Years" = Table.TransformColumns(#"Inserted Merged Column",{{"Age", each Duration.TotalDays(\_) / 365, type number}}),

#"Changed Type5" = Table.TransformColumnTypes(#"Calculated Total Years",{{"Age", Int64.Type}}),

#"Inserted Text Before Delimiter1" = Table.AddColumn(#"Changed Type5", "Text Before Delimiter", each Text.BeforeDelimiter(Text.Lower([Dept\_Job]), "-"), type text),

#"Inserted Year" = Table.AddColumn(#"Inserted Text Before Delimiter1", "Year", each Date.Year([BirthDate]), Int64.Type),

#"Added Conditional Column" = Table.AddColumn(#"Inserted Year", "Custom", each if [Gender] = "M" then "male" else if [Gender] = "F" then "female" else null, type text)

in

#"Added Conditional Column"