In [1]:
```python
import pandas as pd
```

In [2]:
```python
# Sample data for each sheet
employee_demographics = {
    'Employee ID': [1, 2, 3],
    'Age': [30, 25, 45],
    'Gender': ['Male', 'Female', 'Male'],
    'Education Level': ['Bachelor\'s', 'Master\'s', 'Bachelor\'s']
}

employment_details = {
    'Employee ID': [1, 2, 3],
    'Department': ['IT', 'HR', 'Finance'],
    'Role': ['Developer', 'Manager', 'Analyst'],
    'Tenure (Months)': [24, 36, 12],
    'Salary': [60000, 80000, 55000]
}

performance_data = {
    'Employee ID': [1, 2, 3],
    'Performance Score': [90, 80, 85],
    'Review Date': ['2023-01-01', '2023-01-01', '2023-01-01']
}

exit_interviews = {
    'Employee ID': [1, 3],
    'Exit Date': ['2023-05-01', '2023-06-15'],
    'Reason for Leaving': ['Personal Reasons', 'Career Growth'],
    'Comments': ['Moving to another city', 'Better opportunity']
}

attendance_records = {
    'Employee ID': [1, 2, 3],
    'Date': ['2023-02-01', '2023-03-01', '2023-04-01'],
    'Absence Type': ['Sick Leave', 'Vacation', 'Sick Leave'],
    'Hours Absent': [8, 8, 8]
}

engagement_scores = {
    'Employee ID': [1, 2, 3],
    'Survey Date': ['2023-01-01', '2023-01-01', '2023-01-01'],
    'Engagement Score': [75, 80, 70]
}
```

In [3]:
```python
df_employee_demographics = pd.DataFrame(employee_demographics)
df_employment_details = pd.DataFrame(employment_details)
df_performance_data = pd.DataFrame(performance_data)
df_exit_interviews = pd.DataFrame(exit_interviews)
df_attendance_records = pd.DataFrame(attendance_records)
df_engagement_scores = pd.DataFrame(engagement_scores)

# Create a Pandas Excel writer using XlsxWriter as the engine
with pd.ExcelWriter('XYZ_Company_Attrition_Analysis.xlsx', engine='xlsxwriter')
    df_employee_demographics.to_excel(writer, sheet_name='Employee Demographics
    df_employment_details.to_excel(writer, sheet_name='Employment Details', ind
    df_performance_data.to_excel(writer, sheet_name='Performance Data', index=F
    df_exit_interviews.to_excel(writer, sheet_name='Exit Interviews', index=Fal
    df_attendance_records.to_excel(writer, sheet_name='Attendance Records', ind
    df_engagement_scores.to_excel(writer, sheet_name='Engagement Scores', index

print("Excel file 'XYZ_Company_Attrition_Analysis.xlsx' created successfully!")
```

```
---------------------------------------------------------------------------
ModuleNotFoundError                       Traceback (most recent call last)
Cell In[3], line 9
      6 df_engagement_scores = pd.DataFrame(engagement_scores)
      8 # Create a Pandas Excel writer using XlsxWriter as the engine
----> 9 with pd.ExcelWriter('XYZ_Company_Attrition_Analysis.xlsx', engine='xl
sxwriter') as writer:
     10     df_employee_demographics.to_excel(writer, sheet_name='Employee De
mographics', index=False)
     11     df_employment_details.to_excel(writer, sheet_name='Employment Det
ails', index=False)

File ~\anaconda3\Lib\site-packages\pandas\io\excel\_xlsxwriter.py:198, in Xls
xWriter.__init__(self, path, engine, date_format, datetime_format, mode, stor
age_options, if_sheet_exists, engine_kwargs, **kwargs)
    185 def __init__(
    186     self,
    187     path: FilePath | WriteExcelBuffer | ExcelWriter,
   (...)
    196 ) -> None:
    197     # Use the xlsxwriter module as the Excel writer.
--> 198     from xlsxwriter import Workbook
    200     engine_kwargs = combine_kwargs(engine_kwargs, kwargs)
    202     if mode == "a":

ModuleNotFoundError: No module named 'xlsxwriter'
```

In [4]:
```python
# Create DataFrames for each sheet
df_employee_demographics = pd.DataFrame(employee_demographics)
df_employment_details = pd.DataFrame(employment_details)
df_performance_data = pd.DataFrame(performance_data)
df_exit_interviews = pd.DataFrame(exit_interviews)
df_attendance_records = pd.DataFrame(attendance_records)
df_engagement_scores = pd.DataFrame(engagement_scores)

# Create a Pandas Excel writer using openpyxl as the engine
with pd.ExcelWriter('XYZ_Company_Attrition_Analysis.xlsx', engine='openpyxl') a
    df_employee_demographics.to_excel(writer, sheet_name='Employee Demographics
    df_employment_details.to_excel(writer, sheet_name='Employment Details', ind
    df_performance_data.to_excel(writer, sheet_name='Performance Data', index=F
    df_exit_interviews.to_excel(writer, sheet_name='Exit Interviews', index=Fal
    df_attendance_records.to_excel(writer, sheet_name='Attendance Records', ind
    df_engagement_scores.to_excel(writer, sheet_name='Engagement Scores', index

print("Excel file 'XYZ_Company_Attrition_Analysis.xlsx' created successfully!")
```

```
Excel file 'XYZ_Company_Attrition_Analysis.xlsx' created successfully!
```

In [ ]: