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

# Load the data
file_path = 'C:\\Users\\Sejal\\Desktop\\data science projects\\amazon_sales\\Amazon Sales data
data = pd.read_csv(file_path)
```

In [2]:
```
data['Order Date'] = pd.to_datetime(data['Order Date'], errors='coerce')
```

In [3]:
```
# Extract month and year from Order Date
data['Year'] = data['Order Date'].dt.year
data['Month'] = data['Order Date'].dt.month
```

In [4]:
```
# Aggregate data for month-wise sales
month_wise_sales = data.groupby('Month')['Total Revenue'].sum().reset_index()
```

In [5]:
```
# Aggregate data for year-wise sales
year_wise_sales = data.groupby('Year')['Total Revenue'].sum().reset_index()
```

In [6]:
```
# Aggregate data for yearly month-wise sales
yearly_month_wise_sales = data.groupby(['Year', 'Month'])['Total Revenue'].sum().reset_index(
```

In [7]:
```
# Save the transformed data to an Excel file using openpyxl
output_path = 'Transformed_Amazon_Sales_Data.xlsx'
with pd.ExcelWriter(output_path, engine='openpyxl') as writer:
    # Write the original data
    data.to_excel(writer, sheet_name='Original Data', index=False)

    # Write the month-wise sales data
    month_wise_sales.to_excel(writer, sheet_name='Month-wise Sales', index=False)

    # Write the year-wise sales data
    year_wise_sales.to_excel(writer, sheet_name='Year-wise Sales', index=False)

    # Write the yearly month-wise sales data
    yearly_month_wise_sales.to_excel(writer, sheet_name='Yearly Month-wise Sales', index=Fals

print("Data transformed and saved to", output_path)
```

```
Data transformed and saved to Transformed_Amazon_Sales_Data.xlsx
```

In [ ]: