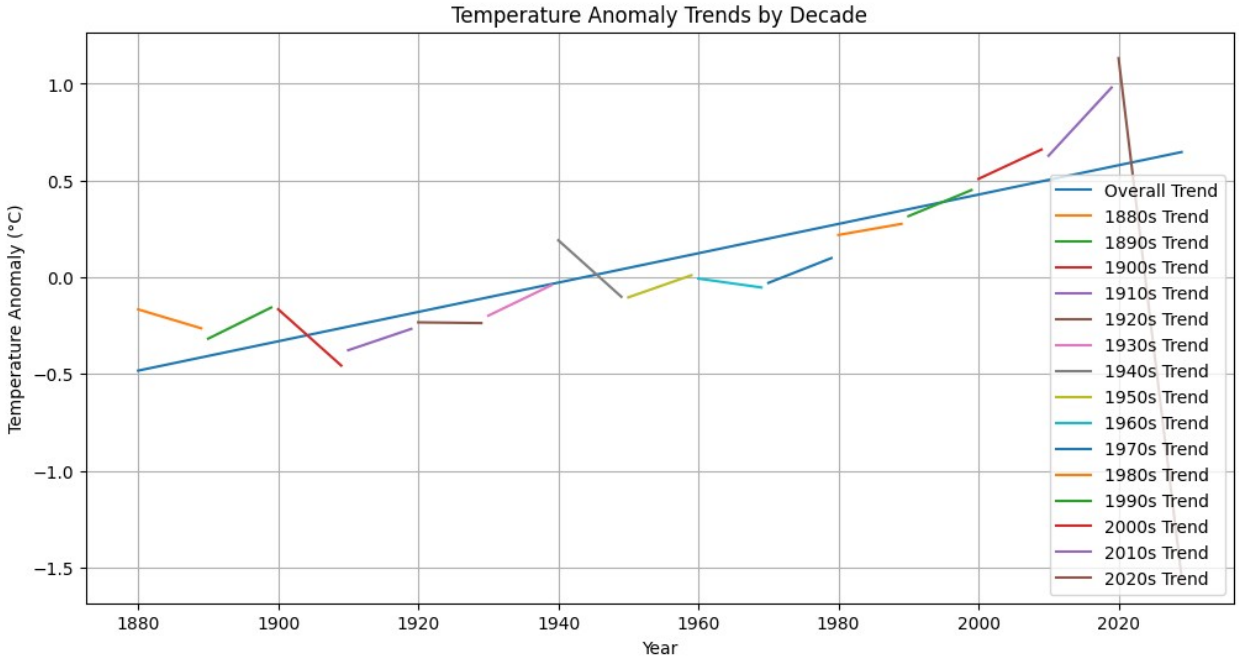
```
import matplotlib.pyplot as plt
import numpy as np

# Data: Slope and Intercept for each decade and overall
data = {
    "Overall": {"slope": 0.00758088, "intercept": -14.7347},
    "1880s": {"slope": -0.0108485, "intercept": 20.229},
    "1890s": {"slope": 0.0178788, "intercept": -34.1084},
    "1900s": {"slope": -0.032303, "intercept": 61.2101},
    "1910s": {"slope": 0.0122424, "intercept": -23.7601},
    "1920s": {"slope": -0.000424242, "intercept": 0.581455},
    "1930s": {"slope": 0.0174545, "intercept": -33.8858},
    "1940s": {"slope": -0.0324242, "intercept": 63.0939},
    "1950s": {"slope": 0.0126667, "intercept": -24.804},
    "1960s": {"slope": -0.00509091, "intercept": 9.97109},
    "1970s": {"slope": 0.0142424, "intercept": -28.0867},
    "1980s": {"slope": 0.00636364, "intercept": -12.3816},
    "1990s": {"slope": 0.0149697, "intercept": -29.4741},
    "2000s": {"slope": 0.0168485, "intercept": -33.1888},
    "2010s": {"slope": 0.0391515, "intercept": -78.0667},
    "2020s": {"slope": -0.298, "intercept": 603.092}
}

# Function to plot the trend line
def plot_trend(decade, slope, intercept, start_year, end_year):
    years = np.arange(start_year, end_year + 1)
    temp_anomaly = slope * years + intercept
    plt.plot(years, temp_anomaly, label=f"{decade} Trend")

# Plotting each decade's trend
plt.figure(figsize=(12, 6))

for decade, values in data.items():
    # Assuming each decade starts at '0' and ends at '9' (e.g., 1880-
1889)
    start_year = int(decade[:4]) if decade != "Overall" else 1880
    end_year = start_year + 9 if decade != "Overall" else 2029
    plot_trend(decade, values['slope'], values['intercept'],
start_year, end_year)

# Customizing the plot
plt.xlabel('Year')
plt.ylabel('Temperature Anomaly (°C)')
plt.title('Temperature Anomaly Trends by Decade')
plt.legend()
plt.grid(True)

plt.show()
```


Temperature Anomaly Trends by Decade
Temperature Anomaly (°C)
Year
1.0
0.5
0.0
−0.5
−1.0
−1.5
1880
1900
1920
1940
1960
1980
2000
2020
Overall Trend
1880s Trend
1890s Trend
1900s Trend
1910s Trend
1920s Trend
1930s Trend
1940s Trend
1950s Trend
1960s Trend
1970s Trend
1980s Trend
1990s Trend
2000s Trend
2010s Trend
2020s Trend