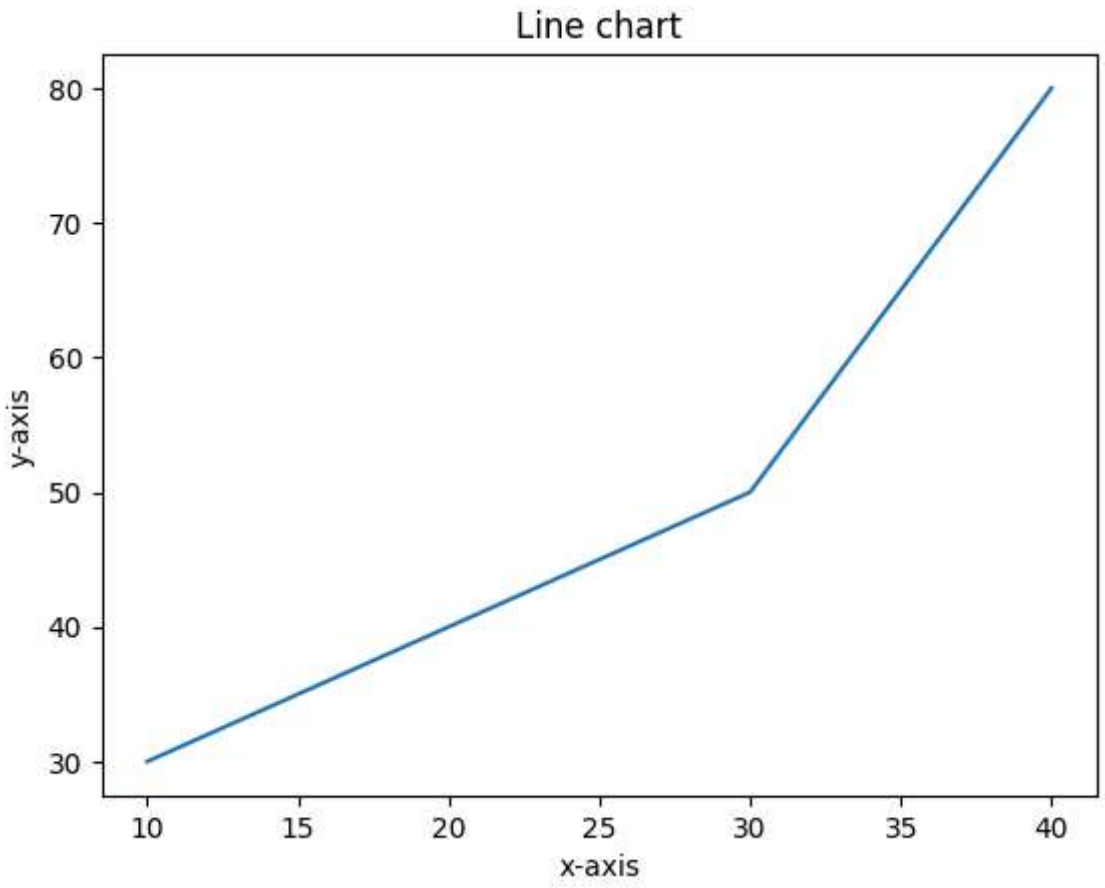
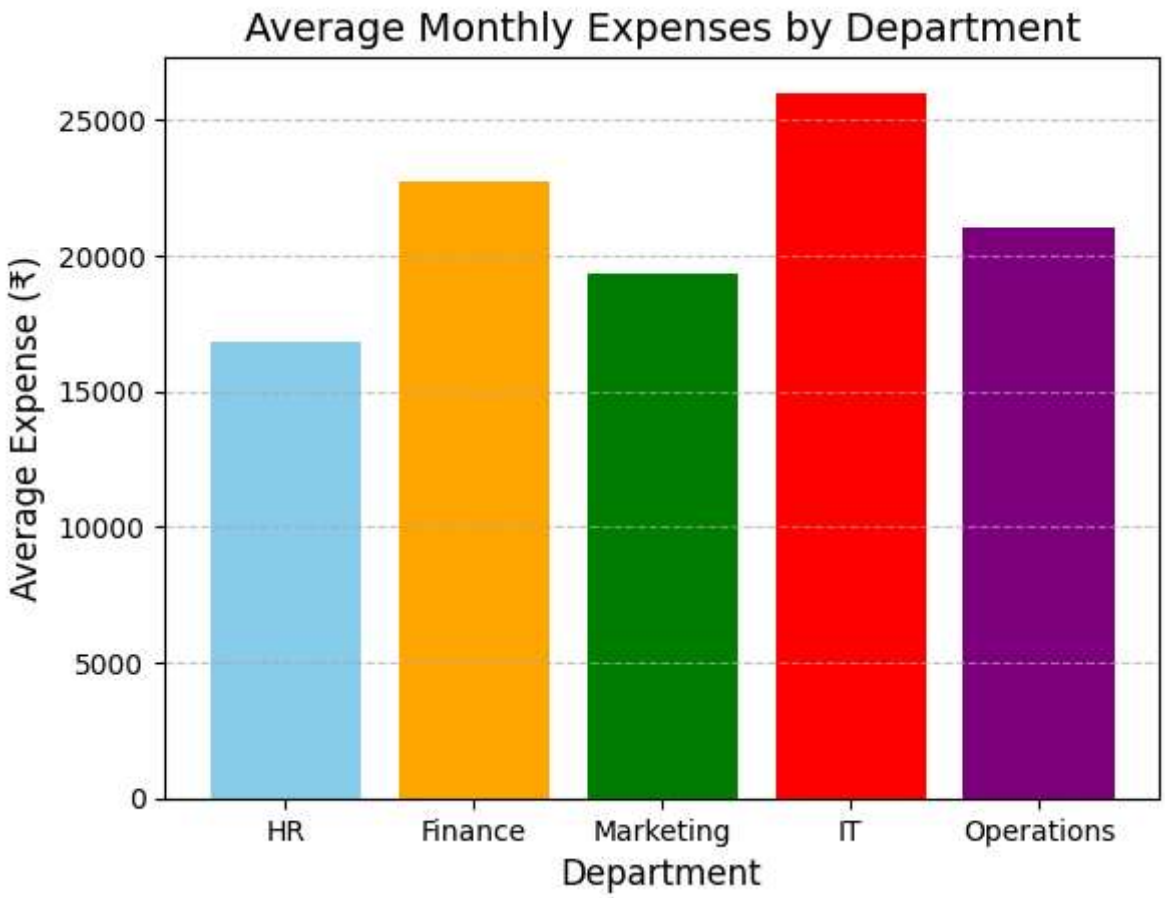
In [3]:
```
import numpy as np
import matplotlib.pyplot as plt
# to plot a line chart
# point of x axis
x = [10,20,30,40]
# point of y axis
y = [30,40,50,80]
# to create a line plot
plt.plot(x,y)
#label of x-axis
plt.xlabel("x-axis")
#label of y-axis
plt.ylabel("y-axis")
#title of the plot
plt.title("Line chart")
# to display plot
plt.show()
```

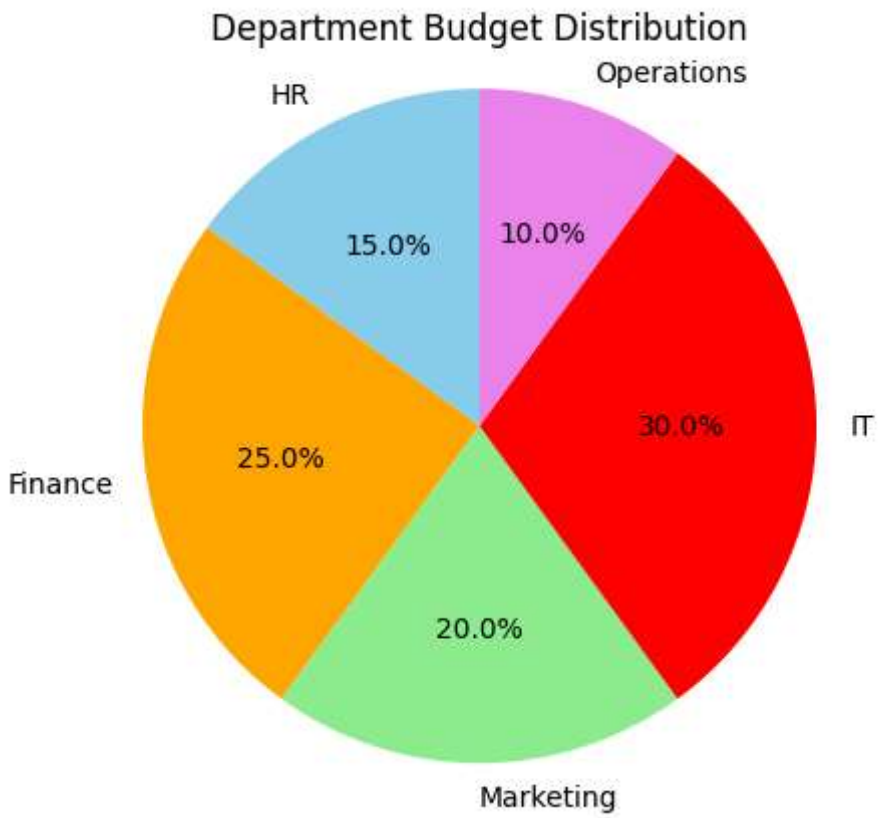


In [4]:
```
import matplotlib.pyplot as plt
# Department names
departments = ['HR', 'Finance', 'Marketing', 'IT', 'Operations']
# Average monthly expenses (in ₹)
expenses = [16800, 22700, 19300, 26000, 21000]
# Create a bar chart
plt.bar(departments, expenses, color=['skyblue', 'orange', 'green', 'red', 'purple'
# Add title and labels
plt.title("Average Monthly Expenses by Department", fontsize=14)
```

```
plt.xlabel("Department", fontsize=12)
plt.ylabel("Average Expense (₹)", fontsize=12)

# Add gridlines for better readability
plt.grid(axis='y', linestyle='--', alpha=0.7)

# Display the chart
plt.show()
```



In [6]:
```
import matplotlib.pyplot as plt

# Data
departments = ['HR', 'Finance', 'Marketing', 'IT', 'Operations']
budget = [15, 25, 20, 30, 10]  # Percentages or share of total budget

# Create a pie chart
plt.pie(budget, labels=departments, autopct='%1.1f%%', startangle=90, colors=['skyb

# Add title
plt.title("Department Budget Distribution")

# Equal aspect ratio ensures pie is drawn as a circle
plt.axis('equal')

# Display the chart
plt.show()
```


Department Budget Distribution
Operations
HR
15.0%
10.0%
30.0%
IT
25.0%
Finance
20.0%
Marketing

In [ ]: