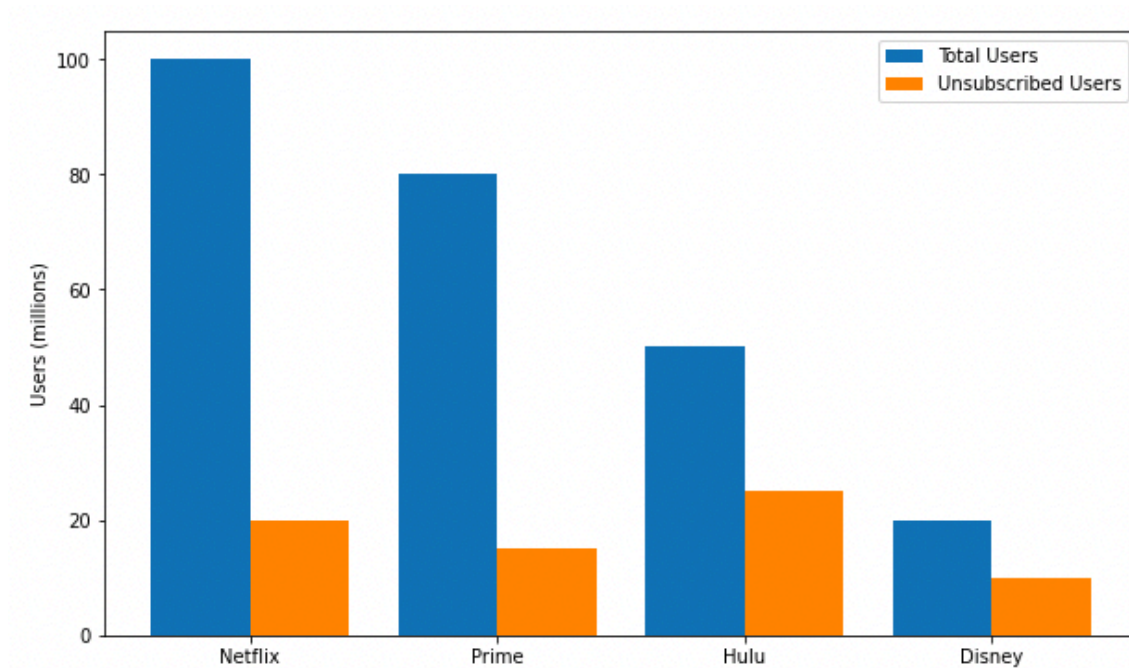**Task#1**

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

platforms = ["Netflix", "Prime", "Hulu", "Disney"]
users = np.asarray([100, 80, 50, 20])
unsubscribed_users = np.asarray([20, 15, 25, 10])
x = np.arange(0, 4)

plt.bar(x-0.2, users, width=0.4, label="Total Users")
plt.bar(x+0.2, unsubscribed_users, width=0.4, label="Unsubscribed
Users")
plt.ylabel("Users (millions)")
plt.xticks(x, platforms)
plt.legend()
plt.show()
```

Task#2

```python
import matplotlib.pyplot as plt

male_salary = [30, 25, 45, 22, 60, 66, 80, 44, 33, 50, 53, 72, 98, 92,
41, 48]
female_salary = [22, 44, 31, 40, 21, 28, 51, 80, 99, 79, 85, 75, 93,
67, 68, 62]

plt.hist(
    [male_salary, female_salary],
    rwidth=0.9,
    bins=[20,30,40,50,60,70,80,90,100],
    color=["b", "orange"],
    label=["male", "female"]
)
plt.title("Salary of employees in Walmart")
plt.xlabel("Salary (thousands)")
plt.legend()
plt.show()
```
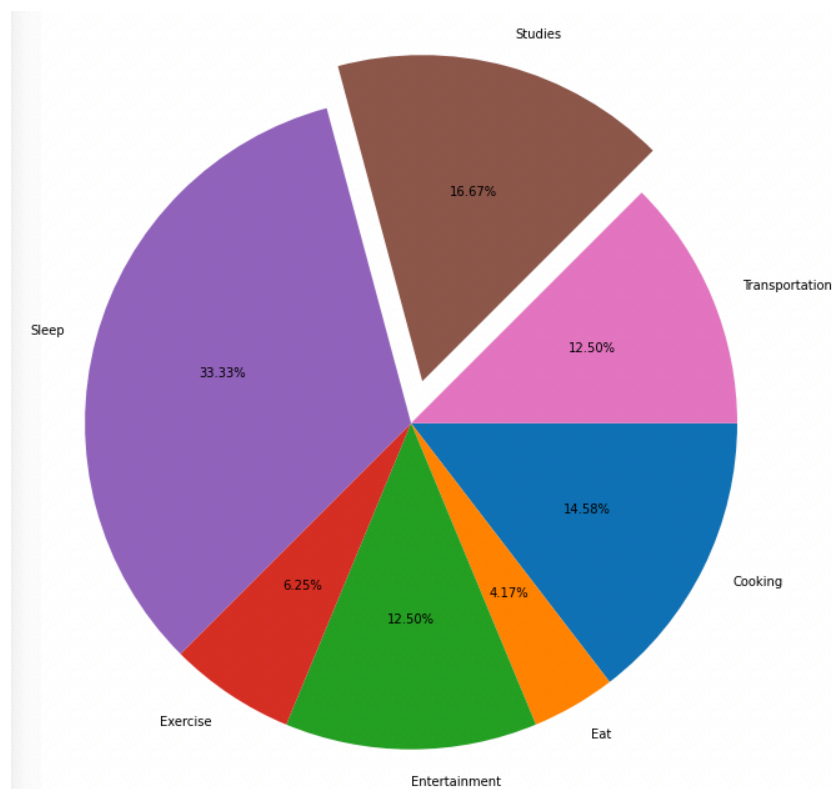
Task#3

```python
import matplotlib.pyplot as plt

daily_activities = ['Cooking', 'Eat', 'Entertainment', 'Exercise',
'Sleep', 'Studies', 'Transportation']
time_spent = [3.5, 1, 3, 1.5, 8, 4, 3]

plt.pie(
    time_spent,
    labels=daily_activities,
    counterclock=False,
    autopct="%.2f%%",
    radius=1.5,
    explode=[0, 0, 0, 0, 0, 0.2, 0]
)
plt.show()
```

Task#4

```python
import matplotlib.pyplot as plt

years = [1980, 1985, 1990, 1995, 2000,2005, 2010, 2015, 2020]
electric = [1750, 1600, 1650, 1750, 1500, 1800, 1850, 2000, 1990 ]
industrial = [2800, 2000, 2780, 1680, 1700, 1750, 1780, 1900, 1850 ]
residential = [550, 480, 250, 220, 300, 380, 320, 350, 390 ]
commercial = [300, 250, 320, 430, 400, 450, 500, 480, 550 ]
transportation = [1500, 1200, 1450, 1880, 2200, 2400, 3000, 2800, 2780
]
labels = ['Electric', 'Industrial', 'Residential', 'Commercial',
'Transportation']
colors=['mediumorchid', 'turquoise', 'yellowgreen', 'tomato',
'royalblue']

plt.stackplot(
    years, electric, industrial, residential, commercial,
    transportation, labels=labels, colors=colors
)
plt.legend(bbox_to_anchor=(1.2, 0.5), loc="upper right")
plt.title("U.S Carbon Dioxide Emissions from Energy Consumption
Stacked Brand Plot")
plt.show()
```


U.S Carbon Dioxide Emissions from Energy Consumption Stacked Brand Plot
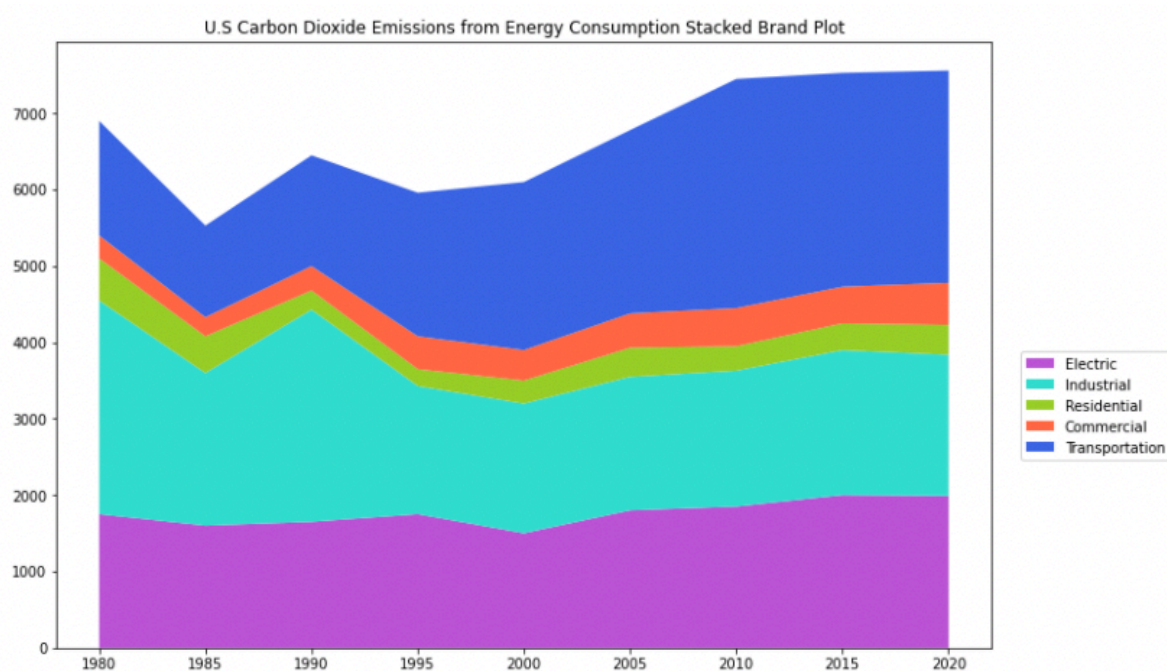
Task#5

```python
import matplotlib.pyplot as plt

ice_creams = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
costs=[3, 4.5, 6, 2.5, 8.5, 4, 10, 5, 1.8, 2.9]
calories = [3000, 330, 1500, 180, 3900, 450, 700, 2500, 200, 680]
sales = [2000, 1800, 1500, 2500, 800, 1000, 400, 700, 1300, 1550]

plt.scatter(ice_creams, costs, s=calories, c=sales, cmap="winter")
plt.xlabel("ice-cream")
plt.ylabel("costs")
plt.title("Comparision of different ice-creams and costs with their
calories and sales")
plt.colorbar()
plt.show()
```