**Code Explanation:**

1. **Libraries:**
   * **Pandas (pd)**: Used to create and manipulate the dataset.
   * **NumPy (np)**: Used to generate random data for different columns.
   * **Seaborn (sns)**: Used to create visually appealing plots.
   * **Matplotlib (plt)**: Used for displaying and customizing plots.
2. **Data Creation:**
   * A dictionary named data is created where:
     + **UserID**: Assigns unique IDs to each user (1–500).
     + **Age**: Generates random ages between 18 and 65 using NumPy.
     + **Gender**: Randomly assigns genders ("Male," "Female," or "Other") with specified probabilities.
     + **SubscriptionType**: Randomly assigns subscription plans ("Free," "Premium," "Pro") based on their likelihood.
     + **Churn**: Simulates whether a user is active (0) or has churned (1).
     + **TasksCompleted**: Randomly generates a number of tasks completed, between 0 and 100.
     + **ContractLength**: Randomly assigns contract lengths (1, 6, 12, or 24 months) with specified probabilities.
3. **DataFrame:**
   * The pd.DataFrame(data) converts the dictionary into a structured table (DataFrame).
4. **Visualization:**
   * **Gender Distribution:** A bar chart to visualize the number of users by gender.
   * **Age Distribution:** A histogram to show the spread of users’ ages.
   * **Subscription Type Distribution:** A bar chart to compare the count of users by subscription type.
   * **Churn Rate:** A bar chart showing active vs churned users.
   * **Tasks Completed:** A boxplot showing how many tasks were completed, segmented by subscription type.
   * **Contract Length by Gender:** A boxplot to compare subscription lengths by gender.
   * **Heatmap:** Displays correlations between numerical variables like age, churn, and tasks completed.