**1. Sarah bought a new car in 2001 for $24,000. The dollar value of her car changed each year as shown in**

**the table below.**

**Value of Sarah&#39;s Car**

**Year Value**

**2001 $24,000**

**2002 $22,500**

**2003 $19,700**

**2004 $17,500**

**2005 $14,500**

**2006 $10,000**

**2007 $ 5,800**

**Represent the following information using a line graph with following style properties**

** X- axis - Year**

**Y –axis - Car Value**

** title –Value Depreciation (left Aligned)**

** Line Style dashdot and Line-color should be red**

** point using \* symbol with green color and size 20**

**Subplot() provides multiple plots in one figure.**

import matplotlib.pyplot as plt  
x=[2001,2002,2003,2004,2005,2006,2007]  
y=[24000,22500,19700,17500,14500,10000,5800]  
plt.plot(x, y, color='red', linestyle='dashed', linewidth = 2,  
 marker='\*', markerfacecolor='green', markersize=20)  
plt.xlabel('year')  
plt.ylabel('car value')  
  
plt.title('value depreciation(left aligned)')  
plt.show()