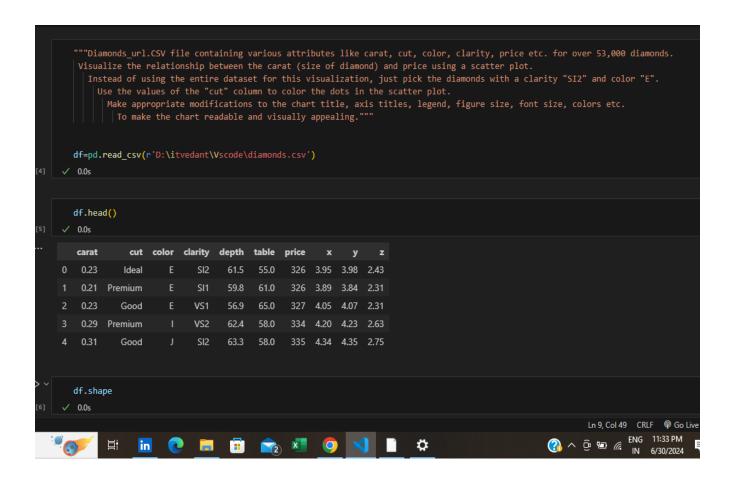
Diamonds\_url.CSV file containing various attributes like carat, cut, color, clarity, price etc. for over 53,000 diamonds. Visualize the relationship between the carat (size of diamond) and price using a scatter plot. Instead of using the entire dataset for this visualization, just pick the diamonds with a clarity "SI2" and color "E". Use the values of the "cut" column to color the dots in the scatter plot. Make appropriate modifications to the chart title, axis titles, legend, figure size, font size, colors etc. To make the chart readable and visually appealing.



```
df.shape

v 00s

(53940, 10)

df.isnull().sum()

v 00s

carat 0

cut 0

color 0

clarity 0

depth 0

table 0

price 0

x 0

y 0

z 0

dtype: int64

df.duplicated().sum()

v 0.1s

146
```

