In [2]:
```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
sns.set()
```

In [3]:
```
df_ad = pd.read_csv("scatter_plot_ii.csv")
```

In [4]:
```
df_ad
```

Out[4]:

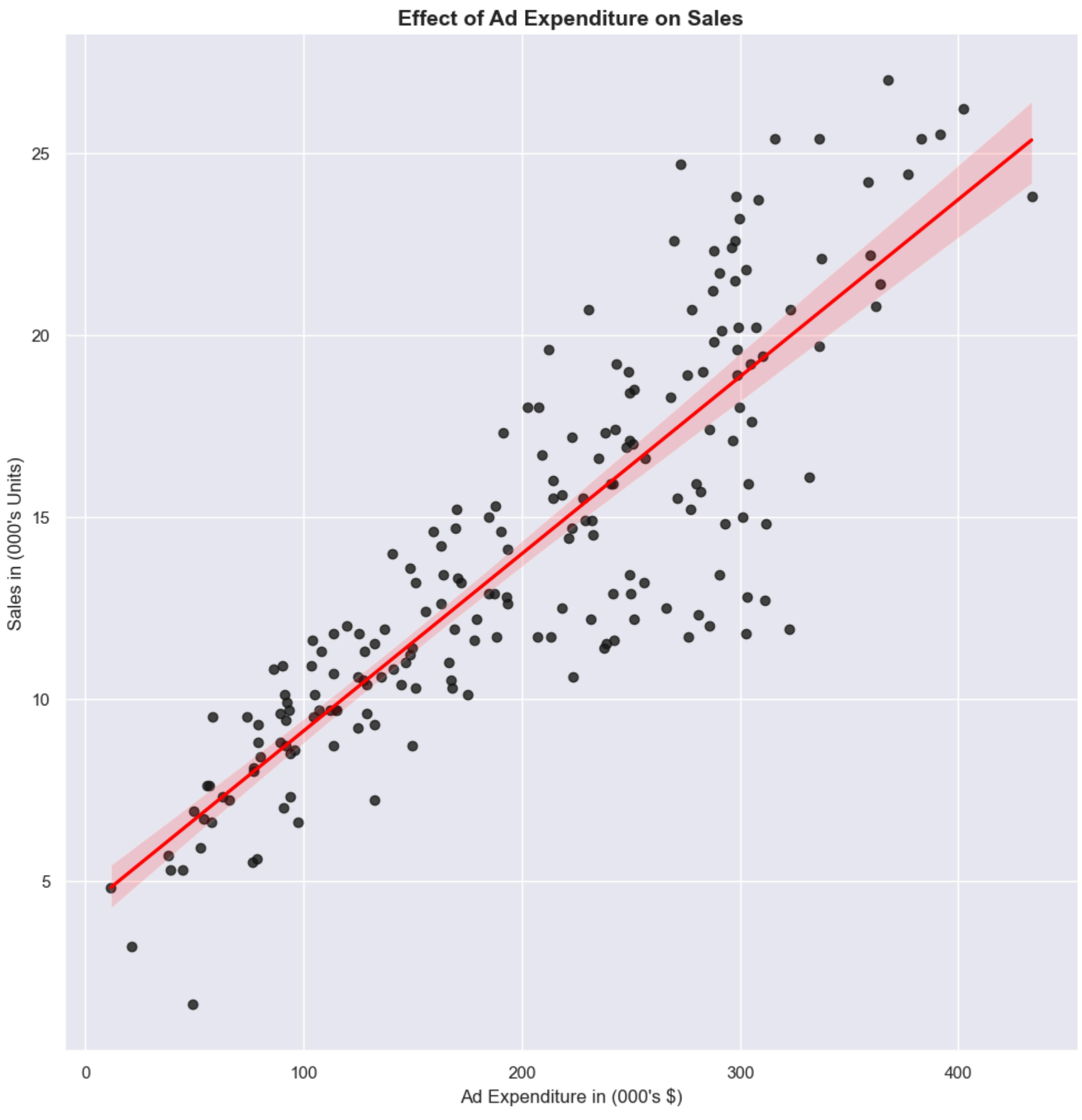
	Budget	Sales
0	337.1	22.1
1	128.9	10.4
2	132.4	9.3
3	251.3	18.5
4	250.0	12.9
...	...	...
195	55.7	7.6
196	107.2	9.7
197	192.7	12.8
198	391.8	25.5
199	249.4	13.4

200 rows × 2 columns

In [14]:
```
#plt.figure(figsize = (10, 8))
sns.set(rc = {'figure.figsize': (9,6)})
sns.regplot(x = "Budget",
            y = "Sales",
            data =  df_ad,
            color = "grey",
            scatter_kws = {'color': 'k'},
            line_kws = {'color' : 'red'})
plt.xlabel("Ad Expenditure in (000's $)")
plt.ylabel("Sales in (000's Units)")
plt.title("Effect of Ad Expenditure on Sales", fontsize = 14, weight = 'bold')
plt.show()
```

In [22]:
```
sns.lmplot(x = "Budget",
           y = "Sales",
           data = df_ad,
           height = 10,
           scatter_kws = {'color': 'k'},
           line_kws = {'color' : 'red'})
plt.xlabel("Ad Expenditure in (000's $)")
plt.ylabel("Sales in (000's Units)")
plt.title("Effect of Ad Expenditure on Sales", fontsize = 14, weight = 'bold')
plt.show()
```

```
C:\Users\Emenike favour\anaconda\Lib\site-packages\seaborn\axisgrid.py:118: UserWarning: The figure layout has changed to tight
  self._figure.tight_layout(*args, **kwargs)
```



In [ ]: