**5.Ada Boost Regressor:**

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| --- | --- | --- |
| S.NO | **Ada Boost** Regression Parameter | Result |
| 1 | regressor = AdaBoostRegressor() | 0.004598715406639142 |
| 2 | regressor = AdaBoostRegressor(n\_estimators=100, learning\_rate=0.1, random\_state=42) | -0.1972680218525389 |
| 3 | regressor = AdaBoostRegressor(estimator=DecisionTreeRegressor(max\_depth=5), n\_estimators=200, learning\_rate=0.05, random\_state=42) | -0.4199111018383139 |
| 4 | regressor = AdaBoostRegressor(n\_estimators=50, learning\_rate=1.5, loss='exponential', random\_state=42) | -1.2883119036973225 |
| 5 | regressor = AdaBoostRegressor(estimator=RandomForestRegressor(max\_depth=3, n\_estimators=10), n\_estimators=100, learning\_rate=0.2, random\_state=42) | 0.8495696602220613 |
| 6 | regressor = AdaBoostRegressor(n\_estimators=300, learning\_rate=0.01, loss='square', random\_state=42) | 0.8335025877221758 |