**Random Forest – Model** **Creation**

**Parameters : --criterion**=’***squared\_error’***—

**criterion*{“squared\_error”, “friedman\_mse”, “absolute\_error”, “poisson”}, default=”squared\_error”***

***Hyper Parameter: --* criterion**=’***squared\_error’,*** **n\_estimators =100** --

**n\_estimators =*int, default=100 For more :*** https://scikit-learn.org/stable/modules/generated/sklearn.ensemble.RandomForestRegressor.html

***To create model :***

*from sklearn.ensemble import RandomForestRegressor*

*regressor=RandomForestRegressor(n\_estimators=50, random\_state=0)*

*regressor.fit(x\_train,y\_train)*

**Scores**

|  |  |  |  |
| --- | --- | --- | --- |
| **SL.NO** | **criterion** | **estimators** | **R Scores** |
| **1** | ***squared\_error (mse)*** | ***100*** | 0.9390670892036406 |
| **2** | ***squared\_error (mse*** | ***10*** | 0.9306461800902199 |
| **3** | ***friedman\_mse*** | ***100*** | 0.9385107201370783 |
| **4** | ***friedman\_mse*** | ***10*** | 0.9135636787401655 |
| **5** | ***absolute\_error (mae)*** | ***100*** | 0.9430357770388706 |
| **6** | ***absolute\_error (mae)*** | ***10*** | 0.9412973991136578 |