```
# importing Randomforest
from sklearn.ensemble import AdaBoostRegressor
from sklearn.ensemble import RandomForestRegressor

# creating model
m1 = RandomForestRegressor()

# separating class label and other attributes
train1 = train.drop('air_quality_index', axis=1)
target = train['air_quality_index']

# Fitting the model
m1.fit(train1, target)
"RandomForestRegressor(bootstrap=True, ccp_alpha=0.0, criterion='mse',
                       max_depth=None, max_features='auto', max_leaf_nodes=None,
                       max_samples=None, min_impurity_decrease=0.0,
                       min_impurity_split=None, min_samples_leaf=1,
                       min_samples_split=2, min_weight_fraction_leaf=0.0,
                       n_estimators=100, n_jobs=None, oob_score=False,
                       random_state=None, verbose=0, warm_start=False)"

# calculating the score and the score is  97.96360799590065%
m1.score(train1, target) * 100

# predicting the model with other values (testing the data)
# so AQI is 123.71
m1.predict([[123, 45, 67, 34, 5, 0, 23]])

# Adaboost model
# importing module

# defining model
m2 = AdaBoostRegressor()

# Fitting the model
m2.fit(train1, target)

"AdaBoostRegressor(base_estimator=None, learning_rate=1.0, loss='linear',
                   n_estimators=50, random_state=None)"

# calculating the score and the score is  96.15377350010211%
m2.score(train1, target)*100

# predicting the model with other values (testing the data)
# so AQI is 94.42105263
m2.predict([[123, 45, 67, 34, 5, 0, 23]])
```