Using Skicit-learn to split data into training and testing sets

```
from sklearn.model_selection import train_test_split
```

Split the data into training and testing sets

```
train_features, test_features, train_labels, test_labels = train_test_split(features, labels, te
```

Import the model we are using

```
from sklearn.ensemble import RandomForestRegressor
```

Instantiate model with 1000 decision trees

```
rf = RandomForestRegressor(n_estimators = 1000, random_state = 42)
```

Train the model on training data

```
rf.fit(train_features, train_labels)
```

Use the forest's predict method on the test data

```
predictions = rf.predict(test_features)
```

Calculate the absolute errors

```
errors = abs(predictions - test_labels)
```

Print out the mean absolute error (mae)

```
print('Mean Absolute Error:', round(np.mean(errors), 2), 'degrees.')
Mean Absolute Error: 3.83 degrees.
```