

changing petal_length col data type from float to int

```
df["petal_length"] = df["petal_length"].round(0).astype(int)
print(df["petal_length"].dtypes)
df.head()
```

```
int64
```

	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1	0.2	Iris-setosa
1	4.9	3.0	1	0.2	Iris-setosa
2	4.7	3.2	1	0.2	Iris-setosa
3	4.6	3.1	2	0.2	Iris-setosa
4	5.0	3.6	1	0.2	Iris-setosa

```
[13] df.dtypes
```

```
sepal_length    float64
sepal_width     float64
petal_length     int64
petal_width     float64
species         object
dtype: object
```

[+ CODE](#)[+ TEXT](#)

converting categorical variables into quantitative variables in python

```
[14] df["Code"] = pd.factorize(df.species)[0]
df.species.value_counts()
```

```
Iris-setosa      50
Iris-versicolor  50
Iris-virginica   50
Name: species, dtype: int64
```