```
1  import numpy as np
2  import pandas as pd
```

+ Code + Text

```
1  data=pd.read_csv('/content/Iris.csv')
2  data.columns=['Id','Sepal_len_cm','Sepal_wid_cm','Petal_len_cm','Petal_wid_cm','Species']
3  data.head(10)
```

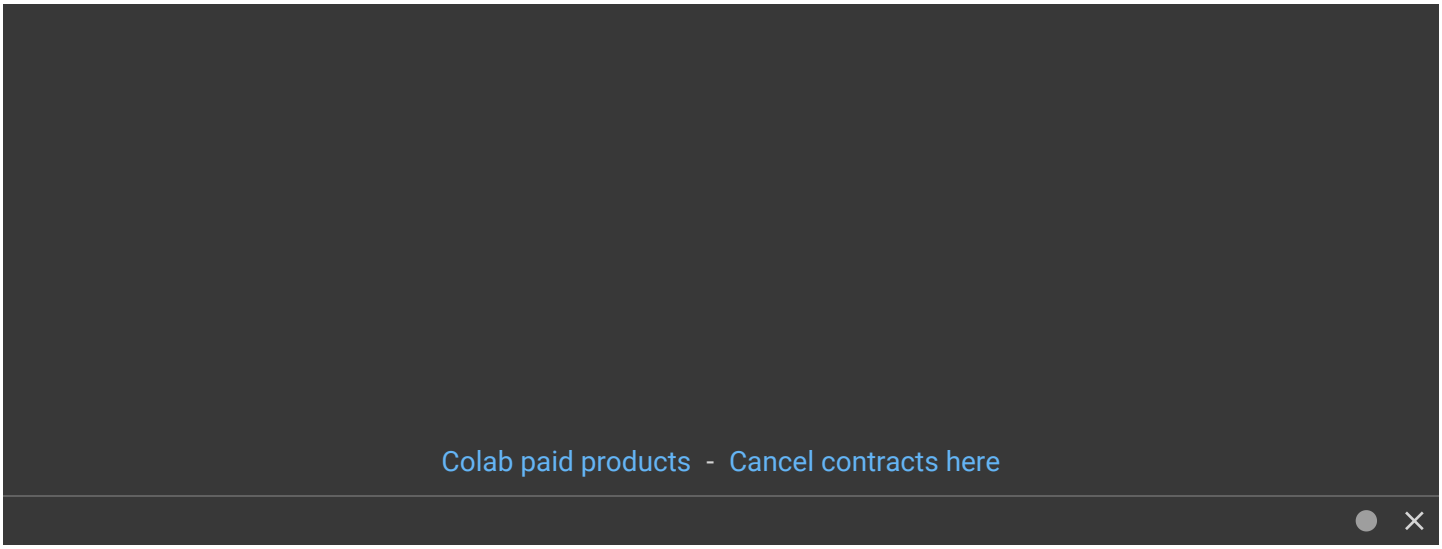
	Id	Sepal_len_cm	Sepal_wid_cm	Petal_len_cm	Petal_wid_cm	Species
0	1	5.1	3.5	1.4	0.2	Iris-setosa
1	2	4.9	3.0	1.4	0.2	Iris-setosa
2	3	4.7	3.2	1.3	0.2	Iris-setosa
3	4	4.6	3.1	1.5	0.2	Iris-setosa
4	5	5.0	3.6	1.4	0.2	Iris-setosa
5	6	5.4	3.9	1.7	0.4	Iris-setosa
6	7	4.6	3.4	1.4	0.3	Iris-setosa
7	8	5.0	3.4	1.5	0.2	Iris-setosa
8	9	4.4	2.9	1.4	0.2	Iris-setosa
9	10	4.9	3.1	1.5	0.1	Iris-setosa

```
1 from sklearn.neural_network import MLPClassifier
2 from sklearn.datasets import make_classification
3 from sklearn.model_selection import train_test_split
4 X, y = make_classification(n_samples=100, random_state=1)
5 X_train, X_test, y_train, y_test = train_test_split(X, y, stratify=y,random_state=1)
6 clf = MLPClassifier(random_state=1, max_iter=300).fit(X_train, y_train)
7 clf.predict_proba(X_test[:1])
8 clf.predict(X_test[:5, :])
9 clf.score(X_test, y_test)
```

```
0.88
```

```
1 clf
```

```
MLPClassifier(max_iter=300, random_state=1)
```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