```
data = """Name,Age,Grade
Anna,20,85
James,22,90
Maria,21,88
"""
with open("StudentsPerformance.csv", "w") as f:
  f.write(data)

import os
print("Current working directory:", os.getcwd())
print("Files in this folder:", os.listdir())
```

```
Current working directory: /content
Files in this folder: ['.config', 'StudentsPerformance.csv', 'sample_data']
```

```
# @title
import pandas as pd

df = pd.read_csv("StudentsPerformance.csv")
df.head()
```

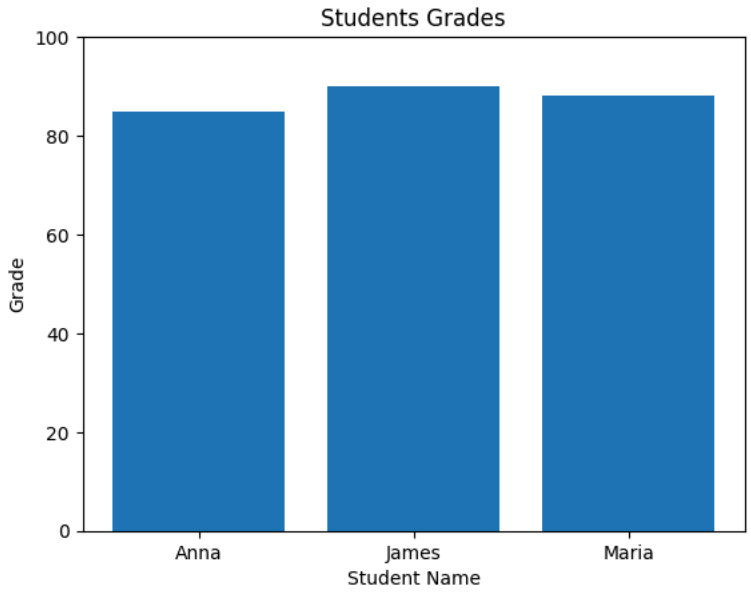
	Name	Age	Grade
0	Anna	20	85
1	James	22	90
2	Maria	21	88

Next steps: New interactive sheet

```
df.info ()
print("\nSummary statistics:")
print(df.describe())

print("\Grades only:")
print(df["Grade"])
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 3 entries, 0 to 2
Data columns (total 3 columns):
 #   Column  Non-Null Count  Dtype
---  ------  --------------  -----
 0   Name    3 non-null      object
 1   Age     3 non-null      int64
 2   Grade   3 non-null      int64
dtypes: int64(2), object(1)
memory usage: 204.0+ bytes

Summary statistics:
        Age      Grade
count   3.0   3.000000
mean   21.0  87.666667
std     1.0   2.516611
min    20.0  85.000000
25%    20.5  86.500000
50%    21.0  88.000000
75%    21.5  89.000000
max    22.0  90.000000
\Grades only:
0    85
1    90
2    88
Name: Grade, dtype: int64
<>:5: SyntaxWarning: invalid escape sequence '\G'
<>:5: SyntaxWarning: invalid escape sequence '\G'
/tmp/ipython-input-486028811.py:5: SyntaxWarning: invalid escape sequence '\G'
  print("\Grades only:")
```

```
import matplotlib.pyplot as plt

plt.bar(df["Name"], df["Grade"])
plt.xlabel("Student Name")
plt.ylabel("Grade")
plt.title("Students Grades")
plt.ylim(0, 100)
plt.show()
```




```
df.to_csv("StudentsPerformance.csv", index=False)

from google.colab import files
files.download("StudentsPerformance.csv")
```