In [2]:

```
import pandas as pd
import numpy as np

data = pd.read_csv("test.csv")
df = pd.DataFrame(data)
df
```

Out[2]:

| | PassengerId | Pclass | Name | Sex | Age | SibSp | Parch | Ticket | Fare | Cal |
|---|---|---|---|---|---|---|---|---|---|---|
| **0** | 892 | 3 | Kelly, Mr. James | male | 34.5 | 0 | 0 | 330911 | 7.8292 | N |
| **1** | 893 | 3 | Wilkes, Mrs. James (Ellen Needs) | female | 47.0 | 1 | 0 | 363272 | 7.0000 | N |
| **2** | 894 | 2 | Myles, Mr. Thomas Francis | male | 62.0 | 0 | 0 | 240276 | 9.6875 | N |
| **3** | 895 | 3 | Wirz, Mr. Albert | male | 27.0 | 0 | 0 | 315154 | 8.6625 | N |
| **4** | 896 | 3 | Hirvonen, Mrs. Alexander (Helga E Lindqvist) | female | 22.0 | 1 | 1 | 3101298 | 12.2875 | N |
| **...** | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| **413** | 1305 | 3 | Spector, Mr. Woolf | male | NaN | 0 | 0 | A.5. 3236 | 8.0500 | N |
| **414** | 1306 | 1 | Oliva y Ocana, Dona. Fermina | female | 39.0 | 0 | 0 | PC 17758 | 108.9000 | C1 |
| **415** | 1307 | 3 | Saether, Mr. Simon Sivertsen | male | 38.5 | 0 | 0 | SOTON/O.Q. 3101262 | 7.2500 | N |
| **416** | 1308 | 3 | Ware, Mr. Frederick | male | NaN | 0 | 0 | 359309 | 8.0500 | N |
| **417** | 1309 | 3 | Peter, Master. Michael J | male | NaN | 1 | 1 | 2668 | 22.3583 | N |

418 rows × 11 columns

In [3]:

```
del df["Pclass"]
df
```

Out[3]:

| | PassengerId | Name | Sex | Age | SibSp | Parch | Ticket | Fare | Cabin | Eml |
|---|---|---|---|---|---|---|---|---|---|---|
| **0** | 892 | Kelly, Mr. James | male | 34.5 | 0 | 0 | 330911 | 7.8292 | NaN | |
| **1** | 893 | Wilkes, Mrs. James (Ellen Needs) | female | 47.0 | 1 | 0 | 363272 | 7.0000 | NaN | |
| **2** | 894 | Myles, Mr. Thomas Francis | male | 62.0 | 0 | 0 | 240276 | 9.6875 | NaN | |
| **3** | 895 | Wirz, Mr. Albert | male | 27.0 | 0 | 0 | 315154 | 8.6625 | NaN | |
| **4** | 896 | Hirvonen, Mrs. Alexander (Helga E Lindqvist) | female | 22.0 | 1 | 1 | 3101298 | 12.2875 | NaN | |
| **...** | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| **413** | 1305 | Spector, Mr. Woolf | male | NaN | 0 | 0 | A.5. 3236 | 8.0500 | NaN | |
| **414** | 1306 | Oliva y Ocana, Dona. Fermina | female | 39.0 | 0 | 0 | PC 17758 | 108.9000 | C105 | |
| **415** | 1307 | Saether, Mr. Simon Sivertsen | male | 38.5 | 0 | 0 | SOTON/O.Q. 3101262 | 7.2500 | NaN | |
| **416** | 1308 | Ware, Mr. Frederick | male | NaN | 0 | 0 | 359309 | 8.0500 | NaN | |
| **417** | 1309 | Peter, Master. Michael J | male | NaN | 1 | 1 | 2668 | 22.3583 | NaN | |

418 rows × 10 columns

In [4]:

```
del df["SibSp"]
del df["Parch"]
del df["Ticket"]
del df["Cabin"]
del df["Embarked"]
```

In [5]:

```
df
```

Out[5]:

| | PassengerId | Name | Sex | Age | Fare |
|---|---|---|---|---|---|
| **0** | 892 | Kelly, Mr. James | male | 34.5 | 7.8292 |
| **1** | 893 | Wilkes, Mrs. James (Ellen Needs) | female | 47.0 | 7.0000 |
| **2** | 894 | Myles, Mr. Thomas Francis | male | 62.0 | 9.6875 |
| **3** | 895 | Wirz, Mr. Albert | male | 27.0 | 8.6625 |
| **4** | 896 | Hirvonen, Mrs. Alexander (Helga E Lindqvist) | female | 22.0 | 12.2875 |
| **...** | ... | ... | ... | ... | ... |
| **413** | 1305 | Spector, Mr. Woolf | male | NaN | 8.0500 |
| **414** | 1306 | Oliva y Ocana, Dona. Fermina | female | 39.0 | 108.9000 |
| **415** | 1307 | Saether, Mr. Simon Sivertsen | male | 38.5 | 7.2500 |
| **416** | 1308 | Ware, Mr. Frederick | male | NaN | 8.0500 |
| **417** | 1309 | Peter, Master. Michael J | male | NaN | 22.3583 |

418 rows × 5 columns

In [6]:

```
df.dropna()
```

Out[6]:

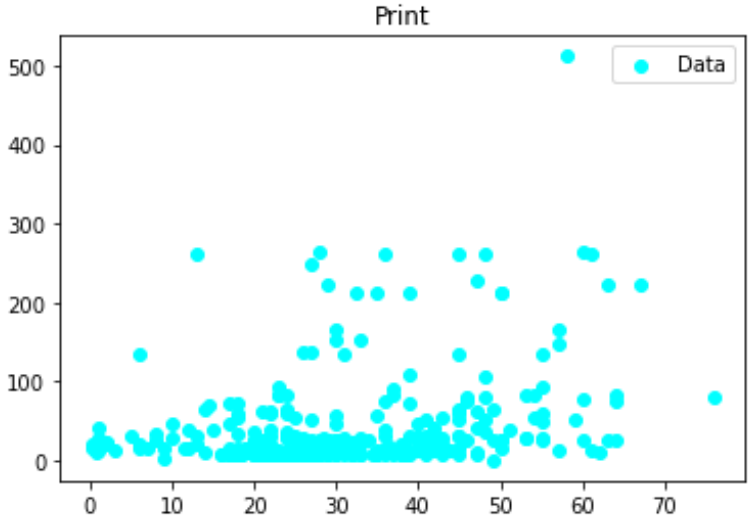
| | PassengerId | Name | Sex | Age | Fare |
|---|---|---|---|---|---|
| **0** | 892 | Kelly, Mr. James | male | 34.5 | 7.8292 |
| **1** | 893 | Wilkes, Mrs. James (Ellen Needs) | female | 47.0 | 7.0000 |
| **2** | 894 | Myles, Mr. Thomas Francis | male | 62.0 | 9.6875 |
| **3** | 895 | Wirz, Mr. Albert | male | 27.0 | 8.6625 |
| **4** | 896 | Hirvonen, Mrs. Alexander (Helga E Lindqvist) | female | 22.0 | 12.2875 |
| **...** | ... | ... | ... | ... | ... |
| **409** | 1301 | Peacock, Miss. Treasteall | female | 3.0 | 13.7750 |
| **411** | 1303 | Minahan, Mrs. William Edward (Lillian E Thorpe) | female | 37.0 | 90.0000 |
| **412** | 1304 | Henriksson, Miss. Jenny Lovisa | female | 28.0 | 7.7750 |
| **414** | 1306 | Oliva y Ocana, Dona. Fermina | female | 39.0 | 108.9000 |
| **415** | 1307 | Saether, Mr. Simon Sivertsen | male | 38.5 | 7.2500 |

331 rows × 5 columns

In [16]:

```
import matplotlib.pyplot as plt

x = df["Age"]
y = df["Fare"]
plt.scatter(x,y,color='cyan')
plt.legend(["Data"])
plt.title("Print")
plt.show()
```




In [ ]:

```

```

In [ ]:

```

```