PRAKTIKUM 02

- 1. Membaca file day.csv
- 2. Mengambil 80% dari total dataset sebagai data training
- 3. Mengambil 20% dari total dataset sebagai data testing
- 4. Mengambil 10% dari data training sebagai data validation

```
import pandas as pd
    from sklearn.model_selection import train_test_split
    # Baca file day.csv
    df2 = pd.read_csv(path + 'data/day.csv')
    print("Jumlah total data:", len(df2))
    # Bagi data menjadi Training (80%) dan Testing (20%)
    train_df2, test_df2 = train_test_split(df2, test_size=0.2, random_state=42)
    train_df2, val_df2 = train_test_split(train_df2, test_size=0.1, random_state=42)
    # Cek jumlah masing-masing
    print("Training :", len(train_df2))
print("Validation :", len(val_df2))
    print("Testing :", len(test_df2))

→ Jumlah total data: 731

    Training : 525
    Validation : 59
    Testing
                : 147
```

5. Tampilkan jumlah data dan 5 baris data teratas untuk setiap set (Training, Validation, dan Testing)

Menggunakan Display() + markdown heading agara tampilan hasil menjadi rapih

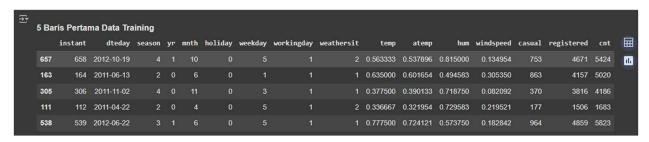
```
from IPython.display import display, Markdown

display(Markdown("### 5 Baris Pertama Data Training"))
display(train_df.head())

display(Markdown("### 5 Baris Pertama Data Validation"))
display(val_df.head())

display(Markdown("### 5 Baris Pertama Data Testing"))
display(test_df.head())
```

a. Data Training



b. Data Validation

5 Bai	5 Baris Pertama Data Validation															
	instant	dteday	season	yr	mnth	holiday	weekday	workingday	weathersit	temp	atemp	hum	windspeed	casual	registered	cnt
325	326	2011-11-22	4		11					0.416667	0.421696	0.962500	0.118792	69	1538	1607
410	411	2012-02-15			2					0.348333	0.351629	0.531250	0.181600	141	4028	4169
92	93	2011-04-03			4					0.378333	0.378767	0.480000	0.182213	1651	1598	3249
47	48	2011-02-17			2		4			0.435833	0.428658	0.505000	0.230104	259	2216	2475
508	509	2012-05-23	2							0.621667	0.584612	0.774583	0.102000	766	4494	5260

c. Data Testing

5 Baris Pertama Data Testing																
	instant	dteday	season	yr	mnth	holiday	weekday	workingday	weathersit	temp	atemp	hum	windspeed	casual	registered	cnt
703	704	2012-12-04	4		12					0.475833	0.469054	0.733750	0.174129	551	6055	6606
33	34	2011-02-03					4			0.186957	0.177878	0.437826	0.277752	61	1489	1550
300	301	2011-10-28	4		10					0.330833	0.318812	0.585833	0.229479	456	3291	3747
456	457	2012-04-01	2		4			0	2	0.425833	0.417287	0.676250	0.172267	2347	3694	6041
633	634	2012-09-25	4							0.550000	0.544179	0.570000	0.236321	845	6693	7538