Classroom Assignment <3>: Pandas Series – Defect Counts per Day



**Learning Objective:**

Analyze defect counts logged per day using a Pandas Series.

**Expected Completion Time:**

Best Case: 10 minutes Average Case: 15 minutes

# Assignment Details:

Create a Python script named **pandas\_series\_defects.py** that:

1. Creates a Pandas Series for defects logged across 7 days:
2. [5, 8, 3, 6, 10, 2, 7]

with labels: ['Mon','Tue','Wed','Thu','Fri','Sat','Sun']

1. Prints the Series.
2. Prints the maximum defects logged in a single day.
3. Prints the day with minimum defects.
4. Uses **iloc** to print defect count of Day5.
5. Uses **loc** to print defect count on "Wed".
6. Prints the total defects logged in the week.

**Hints to Solve:**

 Use .max(), .idxmin(), .sum().

 Use .iloc[n] for numeric index, .loc['Wed'] for label.

# Expected Outcome:



 Learn how to use Series for time-based data.

 Find statistics and access elements by index/label.