**Sprint Planning & Velocity Calculation**

**Agile Terminology Recap:**

* **Sprint**: A fixed period (e.g., 5 days) during which a set of tasks is completed.
* **Epic**: A large task/project broken into smaller tasks (stories) across multiple sprints.
* **Story**: A smaller, actionable task under an Epic.
* **Story Point**: A unit (based on effort) to estimate complexity or time using the Fibonacci sequence (1, 2, 3, 5...).

**Sprint 1: (Duration – 5 Days)**  
Epic: Data Collection and Preprocessing

Tasks:

1. Collection of Data – 2 Story Points
2. Loading Data – 1 Story Point
3. Handling Missing Values – 3 Story Points
4. Handling Categorical Values – 2 Story Points

Total Story Points for Sprint 1: 8

**Sprint 2: (Duration – 5 Days)**  
Epic: Model Building and Deployment

Tasks:

1. Model Building – 5 Story Points
2. Testing Model – 3 Story Points
3. Working HTML Pages – 3 Story Points
4. Flask Deployment – 5 Story Points

Total Story Points for Sprint 2: 16

**Velocity Calculation**

Total Story Points Completed = Sprint 1 (8) + Sprint 2 (16) = 24  
Number of Sprints = 2  
Velocity = Total Story Points / Number of Sprints = 24 / 2 = 12

Team Velocity: **12 Story Points per Sprint**