**Q.30 What relationship is appropriate for Course and Faculty?**

* **Ans: Association**: Represents a loose relationship where Course and Faculty are connected but remain independent entities. Each Course object may have a reference to one or more Faculty objects, and vice versa.
* **Aggregation**: Indicates a "has-a" relationship where Course contains one or more Faculty objects, but these Faculty objects have an independent existence and can be shared among multiple courses.
* **Composition**: Signifies a stronger form of aggregation where the lifecycle of Faculty objects is tied to the lifecycle of the Course object. The Course object takes ownership of the Faculty objects, and they are created and destroyed together.