1. **UML Diagrams for Two Python Classes**

A screenshot of a computer screen

AI-generated content may be incorrect.

**Explanation:** The PK in the “Posts” table is “post\_id,” in the “Analytics” table the PK is also post\_id. The PK/FK mapping includes “post\_id” as both the PK and FK for the “Analytics” table. Each row in “Posts” can only have one matching row in “Analytics,” making it a one-to-one relationship. This is because “post\_id” is the PK in both tables and the FK in “Analytics.”