MODULE – 9, 10(Forms, Controls)

(1)Explain ORM

=>ORM stands for Object-Relational Mapping. In the context of Laravel, the ORM refers to the Eloquent ORM, which is the default ORM (database abstraction layer) provided by Laravel.

=>Eloquent ORM is the very powerful yet very expressive ORM, which allow us to work with the database objects and relationships using much eloquent and expressive syntax.

=> In Laravel, each database table is mapped into corresponding eloquent model and each of the eloquent model object include various methods for retrieving and updating the database.

(2)Explain - Eloquent Relationships

=>(1)One To One:

A one-to-one relationship is a very basic type of database relationship. For

(2)One To Many:

=>A one-to-many relationship is used to define relationships where a single model is the parent to one or more child models.

(2)Many To Many:

=>Many-to-many relations are slightly more complicated than hasOne and hasMany relationships

(3)Has One Through

=>The "has-one-through" relationship defines a one-to-one relationship with another model.

=>However, this relationship indicates that the declaring model can be matched with one instance of another model by proceeding *through* a third model.

(4)Has Many Through

=>The "has-many-through" relationship provides a convenient way to access distant relations via an intermediate relation.

(5)One To One (Polymorphic)

=>A one-to-one polymorphic relation is similar to a typical one-to-one relation; however, the child model can belong to more than one type of model using a single association.

(6)One To Many (Polymorphic)

=>A one-to-many polymorphic relation is similar to a typical one-to-many relation; however, the child model can belong to more than one type of model using a single association.

(7)Many To Many (Polymorphic)

=>Many-to-many polymorphic relations are slightly more complicated than "morph one" and "morph many" relationships.

(3)What is Eager Loading and lazy loading?

=>**Eager Loading** means you get all of the required data at the same time.

=>In contrast, **Lazy Loading** only retrieves related things when they are actually needed and only gives you one item at a time.