

## ASSIGNMENT

**Task- Create a todo class with some properties, objects using switch -> initially it should be nullable, also use exception in it**

```
class Todo(  
    var id: Int?,  
    var title: String?,  
    var description: String?,  
    var status: TodoStatus?  
) {  
    init {  
        // Check if id is null, throw IllegalArgumentException if null  
        if (id == null) {  
            throw IllegalArgumentException("Todo id must not be null")  
        }  
    }  
}
```

```
enum class TodoStatus {  
    TODO,  
    IN_PROGRESS,  
    DONE  
}
```

```
fun main() {  
    // Creating a Todo object with nullable properties
```

```
    val todo1 = Todo(1, "Complete assignment", "Finish the Kotlin assignment",
TodoStatus.TODO)

    val todo2 = Todo(2, "Study for exam", null, TodoStatus.IN_PROGRESS) // description is
nullable

    // Uncomment below to see the exception being thrown
    // val todo3 = Todo(null, "Test", "This should throw an exception", TodoStatus.DONE)

    // Accessing properties of todo objects

    println("Todo 1: ${todo1.title} - ${todo1.description ?: "No description"} - Status:
${todo1.status}")

    println("Todo 2: ${todo2.title} - ${todo2.description ?: "No description"} - Status:
${todo2.status}")
}
```