Junit Mockito Logging assignment

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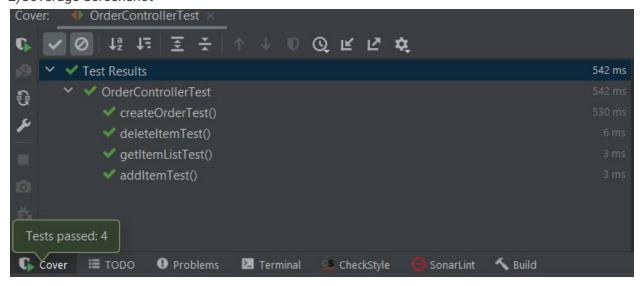
Use Spring MVC or any Spring Boot application, add more validations to it.

- 1. Write Junit test cases for each and every use case with 100% coverage
- 2. Coverage screenshot has to be attached along with assignment
- 3. Each test case should contain at least one assert statement
- 4. No real time calls should happen, all calls should be completely mocked
- 5. Add appropriate logs using Logger wherever applicable, possibly use all levels of logging

1)100% Coverage

Element	Class, %	Method, %	Line, %
com.example.demo.controller	100% (1/1)	100% (4/4)	100% (15/15

2)Coverage Screenshot



3) Assertions Used

```
@Test
void addItemTest(){
    Mockito.when(orderService.addItemIntoOrder(Mockito.any(Item.class), Mockito.anyInt())).thenReturn("Item Added Successfully");
    Item item = new Item( itemId: 1, itemName: "Test item 1", description: "description", quantity: 5);
    ResponseEntity<String> successResponse = orderController.addItem(item, orderId: 1);
    Assertions.assertEquals( expected: "Item Added Successfully", successResponse.getBody());

    Mockito.when(orderService.addItemIntoOrder(Mockito.any(Item.class), Mockito.anyInt())).thenReturn("Order Not Found !!");
    ResponseEntity<String> orderNotFoundResponse = orderController.addItem(item, orderId: 1);
    Assertions.assertEquals( expected: "Order Not Found !!", orderNotFoundResponse.getBody());
}
```

4) Calls Mocked

```
@ExtendWith(MockitoExtension.class)
class OrderControllerTest {
    @InjectMocks
    OrderController orderController;

    @Mock
    OrderService orderService;
```

5)Logger used

```
private static final Logger logger = LoggerFactory.getLogger(OrderController.class);
    @PostMapping("/create")
public ResponseEntity<String> createOrder(@RequestBody Order order) {
    String response = orderService.createOrder(order);
    if(response.contains("Order Successfully Created!")) {
        logger.info("Order created", order);
        return new ResponseEntity<>(response, HttpStatus.CREATED);
    }
    logger.error("Not Created");
```