**Module 1:**

Task1:

1. Create a method “Calculate’ which should take 3 parameters operand1, operand2 and operation. The third parameter “operation” will have these values “\*” or “+” or “-” or “/”. Based on the operator value, the method should perform the calculation on the operands and return the result. Implement this using dynamic data type. Try to see the possibility of using checked and unchecked constructs. Understand, how the solution would differ if we haven’t used dynamic.

I also would like to see the results of this method by passing various combinations of inputs like integer, float, long, double, byte etc. to operand1 and operand2 and the method should return the results accordingly.

E.g. Calculate(1,1,+) -> Should give 2

Task2:

Let’s assume there is a Type Person with fields FirstName, LastName, SSN.

1. Implement this type as both reference and value types.
2. Override ToString and Equals methods for this type. If SSN is same for two types then we can say that they are equal.
3. Use IEquatable interface to implement Equals.
4. Implement IComparable interface for reference type.

Task3:

Write what you understand about boxing and unboxing? Also write an own example of boxing and unboxing with different kind of types: int, struct.