



United International University (UIU)
Dept. of Computer Science & Engineering (CSE)
FINAL Year: 2020 Trimester: Fall 2020 Program: BSCSE
Course: CSI 412 Compiler Lab **Time: 1 Hour and 20 Minutes**

1. Write a program that will take numbers (consider only One to Nine) only in string form in an input file named **in.txt** . An operator is in another file named **operators.txt** (Limit operator by only Plus,Minus,Multiply,Divide). Output of the operation should be in another file named **out.txt** . Detect errors for wrong inputs or wrong operators. [15]

In.txt	Op.txt	Out.txt
1 9	+	10
2 3	*	6
6 2	-	4
9 3	/	3

2. Make a calculator to evaluate expressions consist of only two operands in each and an operator in between. Operator can be plus, minus, multiply, divide. This expression can be found in a file named **expression.txt**. Evaluate the expression and make the cube(^3) of the evaluated result and finally store the result in file **cubeOutput.txt**. [15]

expression.txt	evaluated result	cube	cubeOutput.txt
5-2	3	27	27
9/3	3	27	27
2*3	6	216	216