

ME 318M Homework #1

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Section Number: 17460

Problem 1: Given: $\text{Var1} = 1.234$, $\text{Var2} = 7.789$, $\text{Var3} = 1.457$

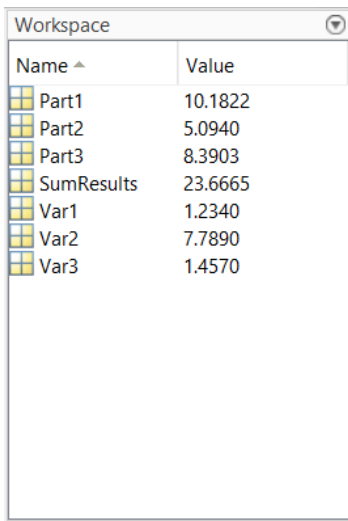
```
>> Var1 = 1.234;; Var2 = 7.789;; Var3 = 1.457;
```

1. Ans: 10.1822

2. Ans: 5.0940

3. Ans: 8.3903

4. Ans: 23.6665



Name ^	Value
Part1	10.1822
Part2	5.0940
Part3	8.3903
SumResults	23.6665
Var1	1.2340
Var2	7.7890
Var3	1.4570

```
>> Var1 = 1.234;; Var2 = 7.789;; Var3 = 1.457;
```

```
>> Part1 = Var2/Var1 + pi*Var3 - sin(pi/4)
```

```
Part1 =
```

```
10.1822
```

```
>> Part2 = Var3 + Var2*exp(-Var1) + acos(0.2)
```

```
Part2 =
```

```
5.0940
```

```
>> Part3 = Var1 + Var2 - Var2^(Var1-Var3)
```

```
Part3 =
```

```
8.3903
```

```
>> SumResults = Part1 + Part2 + Part3
```

```
SumResults =
```

```
23.6665
```

Problem 2: Given L1 = true, L2 = false, L3 = false, L4 = true

1. Ans: true
2. Ans: false
3. Ans: true

```
>> L1 = 1;; L2 = 0;; L3 = 0;; L4 = 1;  
>> Statement1 = (L1&&L2) || (~L3)&&L4)
```

Statement1 =

logical

1

```
>> Statement2 = (~L1) || (~L2) && (L3 || ~L4)
```

Statement2 =

logical

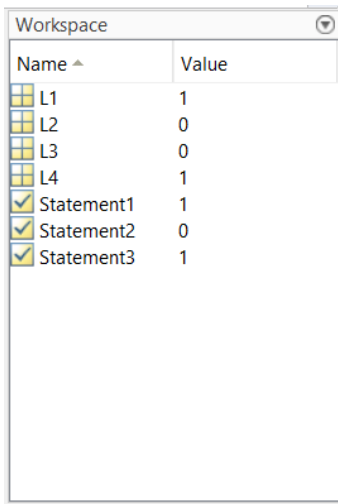
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```
>> Statement3 = xor(Statement1, Statement2)
```

Statement3 =

logical

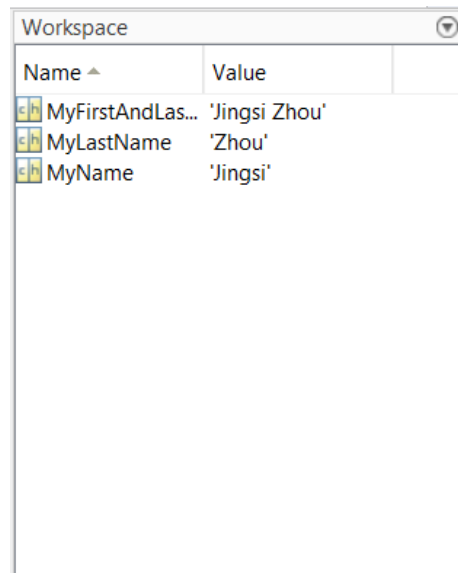
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Name ^	Value
L1	1
L2	0
L3	0
L4	1
Statement1	1
Statement2	0
Statement3	1

Problem 3:

```
>> MyName = 'Jingsi';, MyLastName = 'Zhou';  
>> MyFirstAndLastName = [MyName, ' ', MyLastName];  
>> disp(MyFirstAndLastName)  
Jingsi Zhou
```



Name ^	Value
MyFirstAndLas...	'Jingsi Zhou'
MyLastName	'Zhou'
MyName	'Jingsi'