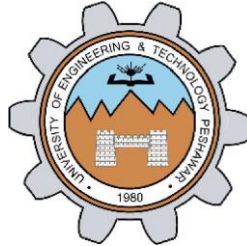


LAB #03

Making Functions, Control Structures, Relational Constructs, Logical Constructs, Branching Constructs, Looping constructs



Spring 2023

CSE-301L Signals & Systems Lab

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“On my honor, as a student of the University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work”

Submitted to:

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Task 1

Code:

Output:

```
F=input('Enter Temperature in F :');
C=(5/9)*(F-32);
disp('Temperature in C :');
disp(C);
```

Task 2

Code:

Output:

>> T2

elements =

$-3 \quad 0 \quad 6$

Task 3

Code:

[illegible]

Output:

```
>> T3  
Enter a 4
```

```
C =
```

```
192
```

Task 4**Code:**

Output:

```
>> T4  
C = 1  
C = 4  
C = 6  
C = 7  
C = 8  
C = 9  
C = 8  
C = 9  
C = 10
```

Task 5**Code:**

Output:

>> T5

$$W = 24$$

Task 6

Code:

Output:

>> T6

cube = 1

cube = 8

cube = 27

cube = 64

cube = 125

```
cube = 216
```

cube = 343

cube = 512

cube = 729

```
cube = 1000
```

Task 7

Code:

[illegible]

Output:

```
>> T7
      7      13      12
     19      11      11
      5       6       3
```

Task 8

Function Code:

Function Call Code:

--

Output:

```
>> T8
      1      1      1
      1      2      3
      1      3      6
```

Task 9

Code:

Output:

```
>> T9
*****

k =1
b =-2
x =-1
y =-2
*****

k =2
b = -2
x =0
y =-2
*****

k = 3
b =-3
x =1
y =-3
*****

k =4
b = -3
x =2
y = -2
*****

k = 5
b =-3
x =3
y =1
```

Task 10

Code:

Output:

```
>> T10
Enter a number : 5
Factorial : 120
```

Task 11

Code:

Output:

```
>> T11
Enter Vector one : [1 2 3]
Enter Vector two : [4 5 6]
Resultant Vector : 17      29      45
```

Task 12

Code:

Output:

>> T12

```
ans = 0      0      0
ans = 1      1      1
ans = 0      0      0
ans = 1      1      1
ans = 1      1      1
```

Task 13

Function Code:

Function Call Code:

--

Output:

>> T13

```
      1      2      3      5      8     13
```

Task 14

Code:

Output:

```
>> T14
Height in cm: 190.5000
Mass in kg: 81.6467
Height in cm: 165.1000
Mass in kg: 53.9776
```

Task 15**Code:**

Output:

```
>> T15
Banana
Mango
Water Milon
Apple
```

Sadeeq
Sadia
Sudais

PUBG
COD
MOH
Far Cry 3

Task 16

Function Code:

Function Call:

Output:

```
>> T16
      1      2      3      4      5      6      7
8      9
```