LAB #03

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



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**CSE-301L Signals & Systems Lab**

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Section: C

“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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(20 Mar 2023)

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**Task 1**

**Code:**

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**Output:**

F=input('Enter Temperature in F :');

C=(5/9)\*(F-32);

disp('Temperature in C :');

disp(C);

**Task 2**

**Code:**

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**Output:**

>> T2

elements =

-3 0 6

**Task 3**

**Code:**

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**Output:**

>> T3

Enter a 4

C =

192

**Task 4**

**Code:**

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**Output:**

>> T4

C = 1

C = 4

C = 6

C = 7

C = 8

C = 9

C = 8

C = 9

C = 10

**Task 5**

**Code:**

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**Output:**

>> T5

w = 24

**Task 6**

**Code:**

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**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:**

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**Output:**

>> T7

7 13 12

19 11 11

5 6 3

**Task 8**

**Function Code:**

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**Function Call Code:**

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**Output:**

>> T8

1 1 1

1 2 3

1 3 6

**Task 9**

**Code:**

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**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:**

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**Output:**

>> T10

Enter a number : 5

Factorial : 120

**Task 11**

**Code:**

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**Output:**

>> T11

Enter Vector one : [1 2 3]

Enter Vector two : [4 5 6]

Resultant Vector : 17 29 45

**Task 12**

**Code:**

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**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:**

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**Function Call Code:**

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**Output:**

>> T13

1 2 3 5 8 13

**Task 14**

**Code:**

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**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:**

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**Output:**

>> T15

Banana

Mango

Water Milon

Apple

Sadeeq

Sadia

Sudais

PUBG

COD

MOH

Far Cry 3

**Task 16**

**Function Code:**

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**Function Call:**

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**Output:**

>> T16

1 2 3 4 5 6 7 8 9