

LAB-02:

Exercise-01:

```
%Teat case-01  
Input_1=input("Enter a Number :")
```

```
Input_1 = 15
```

```
Output_1=Input_1==round(Input_1)
```

```
Output_1 = logical  
1
```

```
%Teat case-02  
Input_2=input("Enter a Number :")
```

```
Input_2 = 15.0004
```

```
Output_2=Input_2==round(Input_2)
```

```
Output_2 = logical  
0
```

```
%Teat case-03  
Input_3=input("Enter a Number :")
```

```
Input_3 = 3.1416
```

```
Output_3=Input_3==round(Input_3)
```

```
Output_3 = logical  
0
```

```
%Teat case-04  
Input_4=input("Enter a Number :")
```

```
Input_4 = 1x4  
10.0000 2.7000 -0.4400 -5.0000
```

```
Output_4=Input_4==round(Input_4)
```

```
Output_4 = 1x4 logical array  
1 0 0 1
```

Exercise-02:

```
%Teat case-01  
Input_1=input("Enter a Number :")
```

```
Input_1 = 15
```

```
k=num2str(Input_1);
k(k=='.'|k=='-')=[];
output_1=k-'0'
```

```
output_1 = 1×2
1      5
```

%Teat case-02

```
Input_2=input("Enter a Number :")
```

```
Input_2 = 15.0004
```

```
k=num2str(Input_2);
k(k=='.'|k=='-')=[];
output_2=k-'0'
```

```
output_2 = 1×6
1      5      0      0      0      4
```

%Teat case-03

```
Input_3=input("Enter a Number :")
```

```
Input_3 = -2
```

```
k=num2str(Input_3);
k(k=='.'|k=='-')=[];
output_3=k-'0'
```

```
output_3 = 2
```

%Teat case-04

```
Input_4=input("Enter a Number :")
```

```
Input_4 = 1234
```

```
k=num2str(Input_4);
k(k=='.'|k=='-')=[];
output_4=k-'0'
```

```
output_4 = 1×4
1      2      3      4
```

%Teat case-05

```
Input_5=input("Enter a Number :")
```

```
Input_5 = -1234
```

```
k=num2str(Input_5);
k(k=='.'|k=='-')=[];
output_5=k-'0'
```

```
output_5 = 1×4
1      2      3      4
```

%Teat case-06

```
Input_6=input("Enter a Number :")
```

```
Input_6 = -12.3400
```

```
k=num2str(Input_6);
k(k=='.'|k=='-')=[];
output_6=k-'0'
```

```
output_6 = 1x4
1     2     3     4
```

Exercise-03:

```
%Teat case-01
```

```
Input_1=input("Enter a Array :")
```

```
Input_1 = 2x2
10    20
30    40
```

```
OuTput_1=Input_1(1:end)
```

```
OuTput_1 = 1x4
10    30    20    40
```

```
%Teat case-02
```

```
Input_2=input("Enter a Array :")
```

```
Input_2 = 3x3
8     1     6
3     5     7
4     9     2
```

```
OuTput_2=Input_2(1:end)
```

```
OuTput_2 = 1x9
8     3     4     1     5     9     6     7     2
```

```
%Teat case-03
```

```
Input_3=input("Enter a Array :")
```

```
Input_3 = 3x3 cell
```

	1	2	3
1	8	1	6
2	3	5	7
3	4	9	2

```
OuTput_3=Input_3(1:end)
```

```
OuTput_3 = 1x9 cell
```

	1	2	3	4	5	6	7	8	9
1	8	3	4	1	5	9	6	7	2

```
%Teat case-04
```

```
Input_4=input("Enter a Array :")
```

```
Input_4 = 1x4 cell
```

	1	2	3	4
1	4	6	7	1

```
OutPut_4=Input_4(1:end)
```

```
OutPut_4 = 1x4 cell
```

	1	2	3	4
1	4	6	7	1

Exercise-04:

```
%Teat case-01
```

```
Input_1=input("Enter a Array :")
```

```
Input_1 = 1x4
```

```
10 20 -30 -40
```

```
OutPut_1=Input_1(Input_1(1:end)>0)
```

```
OutPut_1 = 1x2
```

```
10 20
```

```
%Teat case-02
```

```
Input_2=input("Enter a Array :")
```

```
Input_2 = 2x3
```

```
2 -5 -8  
3 -4 10
```

```
OutPut_2=Input_2(Input_2(1:end)>0)
```

```
OutPut_2 = 1x3
```

```
2 3 10
```

```
%Teat case-03
```

```
Input_3=input("Enter a Array :")
```

```
Input_3 = 7x7
```

```
0 0 0 0 0 0 0  
0 0 0 0 0 0 0  
0 0 0 0 0 0 0  
0 0 0 0 0 0 0  
0 0 0 0 0 0 0  
0 0 0 0 0 0 0  
0 0 0 0 0 0 0
```

```
OutPut_3=Input_3(Input_3(1:end)>0)
```

```
OutPut_3 =  
1x0 empty double row vector
```

Exercise-05:

```
%Teat case-01  
Input_1=input('Enter phrase: ','s')
```

```
Input_1 =  
'laughing out loud'  
  
sp=find(Input_1==' ');  
idx=[1,sp+1];  
OutpUt_1=lower(Input_1(idx))
```

```
OutpUt_1 =  
'lol'
```

```
%Teat case-02  
Input_2=input('Enter phrase: ','s')
```

```
Input_2 =  
'World Wide Web'  
  
sp=find(Input_2==' ');  
idx=[1,sp+1];  
OutpUt_2=lower(Input_2(idx))
```

```
OutpUt_2 =  
'www'
```

```
%Teat case-03  
Input_3=input('Enter phrase: ','s')
```

```
Input_3 =  
'As Soon As Possible'  
  
sp=find(Input_3==' ');  
idx=[1,sp+1];  
OutpUt_3=lower(Input_3(idx))
```

```
OutpUt_3 =  
'asap'
```

Exercise-06:

```
%Teat case-01  
Input_1=input('Enter phrase: ','s')
```

```
Input_1 =  
'Hello, dear, old friend.'
```

```
Output_1=replace(Input_1,',','')
```

```
Output_1 =  
'Hello dear old friend.'
```

```
%Test case-02
```

```
Input_2=input('Enter phrase: ','s')
```

```
Input_2 =  
'rose, lily, iris, orchid'
```

```
Output_2=replace(Input_2,',','')
```

```
Output_2 =  
'rose lily iris orchid'
```

```
%Test case-03
```

```
Input_3=input('Enter phrase: ','s')
```

```
Input_3 =  
'Logan you still have time'
```

```
Output_3=replace(Input_3,',','')
```

```
Output_3 =  
'Logan you still have time'
```