```
>> rad = input("Enter the radius:")
Enter the radius:5

rad =

     5

>> letter = input("Enter a character: ",'s')
Enter a character:

letter =

  0×0 empty char array

>> letter = input("Enter a character: ",'s')
Enter a character: g

letter =

    'g'

>> letter = input("Enter a character: ",'s')
Enter a character:

letter =

  0×0 empty char array

>> mystr = input("Enter a string: ",'s')
Enter a string: go

mystr =

    'go'

>> length(mystr)

ans =

     2

>> mystr = input("Enter a string: ",'s')
Enter a string: vk

mystr =

    'vk      '

>> length(mystr)
```

```
ans =

     8

>> name = input('Enter Your name')
Enter Your name'Stormy'

name =

    'Stormy'

>> name = input('Enter Your name: ')
Enter Your name: 'Stormy'

name =

    'Stormy'

>> name = input('Enter Your name: ','s')
Enter Your name: 'Stormy'

name =

    ''Stormy''

>> length(name)

ans =

     8

>> num = input('ENter a number')
ENter a number7

num =

     7

>> num = input('Enter a number: ')
Enter a number: t
Error using input
Unrecognized function or variable 't'.

Enter a number: 11

num =

    11
```

```
>> t = 11

t =

    11

>> num = input('Enter a number: ')
Enter a number: t

num =

    11

>> x = input('Enter x coordinate');
Enter x coordinate12
>> x = input('Enter x coordinate ');
Enter x coordinate
>> x = input('Enter x coordinate: ');
Enter x coordinate: 12
>> y = input('Enter y coordinate: ');
Enter y coordinate: 15
>> plot(x,y)
>> v = input('Enter a vector')
Enter a vector[3 8 22]

v =

     3     8    22

>> v = input('Enter a vector: ')
Enter a vector: [3 8 22]

v =

     3     8    22

>> v = input('Enter a vector: ')
Enter a vector: [3;8;22]

v =

     3
     8
    22

>> v = input('Enter a vector: ')
Enter a vector: [3,8,22]
```

```
v =

     3     8    22

>> disp('Hello')
Hello
>> disp(4^3)
    64

>> frintf('The value = %d,for sure: \n',4^3)
Unrecognized function or variable 'frintf'.

Did you mean:
>> fprintf('The value = %d,for sure: \n',4^3)
The value = 64,for sure:
>> fprintf('The value = %d,for sure\n',4^3)
The value = 64,for sure
>> fprintf('The value is %d for sure\n',4^3)
The value is 64 for sure
>> %d integer
>> %f float (real number)
>> %c charaqcter (one character)
>> %s string of character
>> fprintf('The value is %d for sure',4^3)
The value is 64 for sure>> 5+3

ans =

     8

>> fprintf('%d\n',1234567.89)
1.234568e+06
>> fprintf('%f\n',1234567.89)
1234567.890000
>> format long
>> fprintf('%d\n',1234567.89)
1.234568e+06
>> fprintf('The vlaue is %d,\n \n OK!\n',4^3)
The vlaue is 64,

 OK!
>> fprintf('%3.2f\n',1234.5678)
1234.57
>> fprintf('%3.3f\n',1234.5678)
1234.568
>> fprintf('%3.4f\n',1234.5678)
1234.5678
>>
```