```python
1   # defining a function
2   print("function example 1:")
3   def myFunc():
4       print("hi from the function")
5
6   myFunc()
7
8   # pass arguments:
9   print("function example 2:")
10  def myFunc(fname):
11      print("Hello", fname)
12  myFunc("Batoul")
13
14  # passing multiple arguments:
15  print("function example 3:")
16  def myFunc(fname, lname):
17      print("Hello", fname, lname)
18  myFunc("Batoul", "Diab")
19
20  # Arguments order:
21  print("function example 4:")
22  def myFunc(child1, child2, child3):
23      print("Youngest child is "+ child3)
24  myFunc(child1="AAA", child3="BBB", child2="CCC")
25
26  #exercise:
27  """
28  take two input numbers & pass to function to calculate and print:
29  their sum, subtraction, multiplication, and division
30  """
31  print("function example 5:")
32  def myFunc(input1, input2):
33      print("The sum is: ", input1+input2)
34      print("The subtraction (absolute) is: ", abs(input1-input2))
35      print("The multiplication is: ", input1*input2)
36      if(int(input2) ≠ 0):
37          print(f"The division is: {int(input1) / int(input2)}")
38      else:
39          print("Division can't be performed.")
40
41  v1 = int(input("value 1: "))
42  v2 = int(input("value 2: "))
43  myFunc(int(v1),int(v2))
44
45  # function with default parameters
46  print("function example 6:")
47  def func(country= "Lebanon"):
48      print("the country is: "+country)
49  func("USA")
50  func()
```

```python
51
52   ## func with list:
53   # normal passed variable changed in function
54   print("function example 7:")
55   def func(v):
56       v=v+2
57       print(v)
58
59   val = 3
60   func(val)
61   print(val)
62
63   # list passed as argument and changed in function
64   print("function example 8:")
65   def func(lst):
66       lst[1]='z'
67       print(lst[1])
68
69   l = ['a','b','c']
70   func(l)
71   print(l)
72   """
73   unlike other variables, any modification applied to the list
74   in the function will cause the modification of the original list.
75   """
76
77   # returning values:
78   print("function example 9:")
79   def myFunc(v):
80       res = v * 2
81       return res # the function will return the value of res
82
83   r = myFunc(5) # r will get the value of res
84   print(r)
85   r2 = myFunc(7)
86   print(r2)
```