

## Arrays and functions

- 1) Write a program,
  - a. Where a function adds all the elements in an array.
  - b. The function should display the sum of elements.
  - c. Make 2 function calls with array elements- (1, 2, 3) and (4, 5, 6).

```
Open  array_func.sh
1 #!/bin/bash
2 array_func()
3 {    local add=0
4      array=($@)
5      len=${#array[@]}
6      for((i=0;i<len;i++)); do
7          add=$((add+${array[i]}))
8      done
9      echo "The sum of elements in the array (${array[@]}) is $add"
10 }
11 array=(1 2 3)
12 array_func ${array[@]}
13 array2=(4 5 6)
14 array_func ${array2[@]}
```

```
bgmadhavan@bgm-virtual-machine:~$ ./array_func.sh
The sum of elements in the array (1 2 3) is 6
The sum of elements in the array (4 5 6) is 15
bgmadhavan@bgm-virtual-machine:~$
```