Arrays & functions

Talk to a Teacher Project
http://spoken-tutorial.org
National Mission on Education through ICT
http://www.sakshat.ac.in

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IIT Bombay

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Learning Objectives

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- **To pass an** array **to a** function

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- **Use of** `exit` **statement in a** `function`

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- **With the help of some examples**

Prerequisite

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- **Arrays and If statement in BASH**

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- **Arrays and If statement in BASH**
- **If not, for relevant tutorials please visit http://spoken-tutorial.org**

System Requirements

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- **GNU Bash version 4 or above is recommended for practice**

Pass an array to a `function`

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Syntax:

- `function_name ${array_name[@]}`

return and exit in functions

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- In Bash, 'exit' and 'return' statements gives status code of a function or a program

return in functions

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`return`:

Will return to the script from where it was called

exit in functions

exit in functions

exit:

Will end the entire script from where it is encountered

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- **To pass an** `array` **to a** `function`
- **Use of** `exit` **statement in a** `function`
- **Use of** `return` **statement in a** `function`
- **With the help of some examples**

Assignment

Write a program,

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

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The Spoken Tutorial Project Team

- **Conducts workshops using spoken tutorials**
- **Gives certificates to those who pass an online test**
- **For more details, please write to contact@spoken-tutorial.org**

Acknowledgment

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- **It is supported by the National Mission on Education through ICT, MHRD, Government of India**
- **More information on this Mission is available at http://spoken-tutorial.org /NMEICT-Intro**