

Lab 3: Shell scripting

IT 204

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- Write a shell script to display arguments to script. Enter any three input arguments to script and display. (e.g. `< scriptname > arg1 arg2 arg3` → o/p: argument1 is arg1. argument2 is arg2. argument3 is arg4.)
- Enter 5 integer numbers as arguments to shell script and obtain the highest, the lowest and the average number. e.g. i/p: `< scriptname > 11 22 33 44 55` → o/p: Highest: 55, Lowest:11, Average:33)
- Perform basic operation addition, subtraction, multiplication and division onto two input integers. Use three arguments (value1, operator, value2) for shell script. (e.g. i/p: `< scriptname > 4 + 3` → o/p:7, i/p: `< scriptname > 4 - 3` → o/p:1 , `< scriptname > 13 * 3` → o/p:39, i/p: `< scriptname > 13 / 4` → o/p:3).
- Compute the factorial of an entered integer (e.g. i/p: `< scriptname > 5` → o/p:120).
- Write a shell script to reverse a given positive integer. (e.g. i/p: `< scriptname > 123` → o/p:321, i/p: `< scriptname > 1230` → o/p:321).
- A sample text files are given in testbed directory. Write a shell script which performs the following operations.
 - Create a file **textfilelist** which contains the list of files having **.txt** extension.
 - Create a file **mergefile** which combines the content of files having **.txt** extension.
 - Find the line number which contains these words: *India, country, Taj* in **mergefile**.