

Bash Shell Scripting

Arithmetic Operators

```
#!/bin/bash
```

Learn how to automate common tasks using bash shell scripting

Arithmetic Operators

- Shell script variables are by default treated as strings, not numbers, which adds some complexity to doing math in shell script.
- There are different ways to perform arithmetic operations:
 - Using declare
 - Using expr
 - Using let
 - Using (()) (For integers)
 - Using bc (For integer and float numbers)

Learn how to automate common tasks using bash shell scripting

Thank you

Arithmetic Operators

- Using `(())` (For integers) `((z=x+y)) echo $z` to see result
 - `((y++))` `((x--))`
- Using `bc` (For integer and float numbers)
 - `(bc<<<"$y/$x", bc<<<"scale=1;$y/$x")`
 - We can also use `awk` command to find arithmetic operations
- Explain addition subtraction multiplication division reminder
- Increment decrement

Learn how to automate common tasks using bash shell scripting