Summary

1. Variable

\$var/\${var}; length = \${#var};

2. Array

array var=(x y z); $\{array var[$index]\}$; $length = \{farray var[*/@]\}$; $length = \{farray var[*/@]\}$

3. Default Variable

\$0 (shell name); \$! (latest children shell PID); \$\$ (current shell PID); \$- (flag); \$? (return code for latest command executed, 0 is successful; not 0 is failed)

\$n (nth parameter); \$@/\$* (parameter list); \$# (No of parameter)

4. Math Operation

\$[\$var1 + \$var2]; \$((\$var1 + \$var2))

5. Children Shell

var = `command`; var = \$(command); `command`; (command); echo `command`; echo
\$(command)

6. Condition Operation

[condition] && command (command executed if condition is true); [condition] || command (command executed if condition is false); commandA && commandB (B executed if A success); commandA || commandB (B executed if A failed)

7. Include

. /xx/file = source /xx/file

8. Redirect

0 - stdin; 1- stdout; 2- stderr

command 1>/>> stdout.txt 2>/>> stderr.txt; command >/>> output.txt 2>&1

command < file; command <<EOF DATE EOF;</pre>

'-' used as stdin parameter, usually in script or function, e.g. cat -