**If Statements**

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Description automatically generated**Test, [ and [[**

**If Elif Else**

if [ <some test> ]

then

<commands>

elif [ <some test> ]

then

<different commands>

else

<other commands>

fi

**Case Statements**

case <variable> in

<pattern 1>)

<commands>

;;

<pattern 2>)

<other commands>

;;

esac

**While**

while [ <some test> ]

do

<commands>

done

**Until**

until [ <some test> ]

do

<commands>

done

**For**

for var in <list>

do

<commands>

done

**Select**

A screenshot of a computer program

Description automatically generatedselect var in <list>

do

<commands>

done

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**Break and Continue**

Break [n] - exit from a for, while, until, or select loop

* If n is supplied, the nth enclosing loop is exited
* The return status is zero unless n is not greater than or equal to 1

Continue [n] - resume the next iteration of an enclosing for, while, until, or select loop

* If n is supplied, the execution of the nth enclosing loop is resumed
* The return status is zero unless n is not greater than or equal to 1

**Bash Functions**

*function\_name () {*

*<commands>*

*}*

or

*function function\_name {*

*<commands>*

*}*

Bash functions do not allow to return a value to the caller.

To return values you can:

- set a global variable with the result

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Description automatically generated

- use command substitution

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The result is output to the **stdout** and the caller uses command substitution to capture the value in a variable.

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Description automatically generated- pass as input the name of a variable to be used as the result variable

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The return statement of bash functions specify the function’s status which is a numeric value assigned to the variable $?

**Eval**

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