Conditional Statements

* If Statement:

#!/bin/bash

read -p "Input a number: " number

if [[ $number -gt 50 ]]

then

echo "The number is big."

fi

* File Test Operators

| Operator | Description |

| -------- | ----------- |

| -d file | directory |

| -e file | exists |

| -f file | ordinary file |

| -r file | readable |

| -s file | size is > 0 bytes |

| -w file | writable |

| -x FILE | executable |

* If -Else Statement:

#!/bin/bash

read -p "Input a number: " number

if [[ $number -ge 10 ]]

then

echo "The number is bigger than or equal to 10."

else

echo "The number is smaller than 10"

fi

* If -Elif -Else Statement:

#!/bin/bash

read -p "Input a number: " number

if [[ $number -eq 10 ]]

then

echo "The number is equal to 10."

elif [[ $number -gt 10 ]]

then

echo "The number is bigger than 10"

else

echo "The number is smaller than 10"

fi

* Nested Statement:

#!/bin/bash

read -p "Input a number: " number

if [[ $number -gt 10 ]]

then

echo "Number is bigger than 10"

if (( $number % 2 == 1 ))

then

echo "And is an odd number."

else

echo "And is an even number"

fi

else

echo "It is not bigger than 10"

fi

* Boolean Operations:

| Operator | Description |

| -------- | ----------- |

| ! | negation |

| && | and |

| || | or |

#!/bin/bash

read -p "Input your name: " name

read -sp "Input your password: " password

if [[ $name = $(whoami) ]] && [[ $password = Aa1234 ]]

then

echo -e "\nWelcome $(whoami)"

else

echo -e "\nIt is wrong account"

fi

Exercise1:

#!/bin/bash

read -p "Input your file name: " file

if [[ -r $file ]] && [[ -w $file ]]

then

echo -e "\nYes"

else

read -p "Do you want to change mode readable and writeable" answer

if [[ $answer -eq "yes" ]]

then

chmod +rw $file

else

echo "Goodbye"

fi

fi

Exercise2:

#!/bin/bash

git --version

if [[ $? = 0 ]]

then

echo "git exist"

else

sudo yum update -y

sudo yum instal git -y

fi