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KSH IF Command Conditional Scripting Examples

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How do I use if command under KSH to make decisions?

KSH offers program flow control using if conditional command. if command runs a set of command if some condition is true. For example, if directory /backup does not exists, create a new one so that your shell script can make backup to /backup directory.

KSH IF Syntax

[4]

```
if [ condition ] ; then
 // Condition satisfied and run this  command
else
 // Condition NOT satisfied and run this command
fi
```

IF the variable $x is greater to 0, THEN print out a message. Otherwise (else), print out a different message. Following shell script to read 2 numbers and find the greaters of the two:

```
#!/bin/ksh
x=5
y=10
if [ $x -ge $y ];
then
 echo "x = $x "
else
 echo "y = $y"
fi
```

Find out if file /etc/passwd exists or not:

```
#!/bin/ksh
FILE=/etc/passwd
DIR=/tmp/foo
# ! means not
# if file does exists
if [ ! -f $FILE ];
then
 echo "Error $FILE does not exists!"
else
 echo "$FILE found!"
fi
# if dir does not exists
if [ ! -d $DIR ];
then
 echo "Error directory $DIR does not exists!"
else
 echo "$DIR directory found!"
fi
```

The -d option check for $DIR and make sure it is a directory. The -f option check for $FILE and make sure it is a regular file using conditional if command.

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