

File parsing

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Outline

- 12 ways to read a file



Read a file with “cat” and while

```
function while_read_LINE
{
cat $FILENAME | while read LINE
do
echo "$LINE"
:
done
}
```

Read a file from the bottom

```
function while_read_LINE_bottom
{
while read LINE
do
echo "$LINE"
:
done < $FILENAME
}
```

Read a file with “line”

```
function while_line_LINE_bottom
{
while line LINE
do
echo $LINE
:
done < $FILENAME
}
```

Read a file with “cat” and “line”

```
function cat_while_LINE_line
{
cat $FILENAME | while LINE=`line`
do
echo "$LINE"
:
done
}
```

Read a file with “cat” and while

```
function while_line_LINE
{
cat $FILENAME | while line LINE
do
echo "$LINE"
:
done
}
```

Read a file with line, while from bottom

```
function while_LINE_line_bottom
{
while LINE=`line`
do
echo "$LINE"
:
done < $FILENAME
}
```


Read a file with line substitution

```
function while_LINE_line_cmdsub2
{
cat $FILENAME | while LINE=$(line)
do
echo "$LINE"
:
done
}
```

Read a file with line substitution from the bottom

```
function while_LINE_line_bottom_cmdsub2
{
while LINE=$(line)
do
echo "$LINE"
:
done < $FILENAME
}
```

Read a file with redirection

```
function while_read_LINE_FD
{
exec 3<&0
exec 0< $FILENAME
while read LINE
do
echo "$LINE"
:
done
exec 0<&3
}
```

Read a file with redirection, "line"

```
function while_read_LINE_FD
{
exec 3<&0
exec 0< $FILENAME
while LINE=`line`
do
echo "$LINE"
:
done
exec 0<&3
}
```

Read a file with redirection, "line" substitution

```
function while_LINE_line_cmdsub2_FD
{
exec 3<&0
exec 0< $FILENAME
while LINE=$(line)
do
print "$LINE"
:
done
exec 0<&3
}
```

Read a file with redirection, "line" command

```
function while_line_LINE_FD
{
exec 3<&0
exec 0< $FILENAME
while line LINE
do
echo "$LINE"
:
done
exec 0<&3
}
```

