

## NAME

parset - set shell variables in parallel

## SYNOPSIS

**parset** *variablename* [options for GNU Parallel]

## DESCRIPTION

**parset** is a shell function that puts the output from GNU **parallel** into shell variables.

The **parset** function is defined as part of **env\_parallel**.

If *variablename* is a single variable name, this will be treated as the destination variable and made to an array.

If *variablename* contains multiple names separated by ',' or space, the names will be the destination variables.

**parset** is not production ready and alpha quality.

## OPTIONS

Same as GNU **parallel**, but they are put *after* the destination variable.

## SUPPORTED SHELLS

### Bash

#### Examples

Put output into **myarray**:

```
parset myarray seq 3 ::: 4 5 6
echo "${myarray[1]}"
```

Put output into vars **\$seq, \$pwd, \$ls**:

```
parset "seq pwd ls" ::: "seq 10" pwd ls
echo "$ls"
```

Put output into vars **\$seq, \$pwd, \$ls**:

```
into_vars=(seq pwd ls)
parset "${into_vars[*]}" ::: "seq 10" pwd ls
echo "$ls"
```

The commands to run can be an array:

```
cmd=("echo '<joe \double space\ ' cartoon>>' "pwd")
parset data ::: "${cmd[@]}"
echo "${data[0]}"
echo "${data[1]}"
```

You cannot pipe into **parset**, but must use a tempfile:

```
seq 10 > parallel_input
parset res echo ::: parallel_input
echo "${res[0]}"
echo "${res[9]}"
```

## Installation

Put this in **\$HOME/.bashrc**:

```
. `which env_parallel.bash`
```

E.g. by doing:

```
echo '. `which env_parallel.bash`' >> $HOME/.bashrc
```

## EXIT STATUS

Same as GNU **parallel**.

## AUTHOR

When using GNU **parallel** for a publication please cite:

O. Tange (2011): GNU Parallel - The Command-Line Power Tool, ;login: The USENIX Magazine, February 2011:42-47.

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**DEPENDENCIES**

**parset** uses GNU **parallel**.

**SEE ALSO**

**parallel**(1), **env\_parallel**(1), **bash**(1).