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## Save Bash Shell Script Output To a File

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How do I save my bash shell script output to a file?

You can save bash shell script output to a file using the following syntax:



[1]

```
$ ./yourscript.sh > output.txt  
$ /path/to/your/script.sh > output.txt
```

To append output to existing data.txt file, enter:

```
$ ./yourscript.sh >> data.txt  
$ /path/to/your/script.sh >> data.txt
```

## Understanding > and >> Redirection

Before a command is executed, its input and output may be redirected using a special notation interpreted by the shell. Redirection may also be used to open and close files for the current shell execution environment. The following redirection operators may precede or appear anywhere within a simple command or may follow a command. Redirections are processed in the order they appear, from left to right.

### Redirecting Output

Redirection of output causes the file whose name results from the expansion of word to be opened for writing on file descriptor *n*, or the standard output (file descriptor 1) if *n* is not specified. If the file does not exist it is created; if it does exist it is truncated to zero size. The general format for redirecting output is:

```
[n]> output.txt  
command> output.txt  
script.sh> output.txt
```

If the redirection operator is *>*, and the *noclobber* option to the *set* builtin has been enabled, the redirection will fail if the file whose name results from the expansion of word exists and is a regular file. If the redirection operator is *>|*, or the redirection operator is *>* and the *noclobber* option to the *set* builtin command is not enabled, the redirection is attempted even if the file named by word exists.

### Appending Redirected Output

Redirection of output in this fashion causes the file whose name results from the expansion of word to be opened for appending on file descriptor *n*, or the standard output (file descriptor 1) if *n* is not specified. If the file does not exist it is created. The general format for appending output is:

```
[n]>>append.txt  
command>> append.txt  
script.sh>> append.txt
```

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