

Building Blocks

wildcards can be used with any command that accepts filenames as arguments

<code>*</code>	All files
<code>a*</code>	All files that start with <code>'a'</code>
<code>b*.txt</code>	All files that start with <code>'b'</code> and end in <code>'.txt'</code>
<code>file???</code>	All files that begin with <code>'file'</code> and are followed by exactly 3 characters
<code>[abc]*</code>	All files that begin with either <code>'a'</code> , <code>'b'</code> , or <code>'c'</code>

pipng redirect the output of one program into the input of another

<pre>eureka@ubuntu:~\$ ls sort Desktop Documents Downloads epd examples.desktop learn_pandas Music new_test.csv new_test_file Pictures Public redis-2.6.2 redis-2.6.2.tar.gz sites Templates test test_file Videos workspace</pre>
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when piping, exit code returned is only the last part of the pipe. The exit codes are provided in the PIPESTATUS special array. cmd1 exit code is in `${PIPESTATUS[0]}`, cmd3 exit code in `${PIPESTATUS[2]}`, `$?` is always the same as `${PIPESTATUS: -1}`. `${PIPESTATUS: *}` lists all exit codes

eureka@ubuntu:~\$ who eureka tty7 2013-07-01 21:22 eureka pts/0 2013-07-01 21:26 (:0)	
eureka@ubuntu:~\$ who grep hi	eureka@ubuntu:~\$ echo \${PIPESTATUS[\$?]} 1
eureka@ubuntu:~\$ who grep hi	eureka@ubuntu:~\$ echo \${PIPESTATUS[-1]} 1
eureka@ubuntu:~\$ who grep hi	eureka@ubuntu:~\$ echo \${PIPESTATUS[1]} 1
eureka@ubuntu:~\$ who grep hi	eureka@ubuntu:~\$ echo \${PIPESTATUS[0]} 0
eureka@ubuntu:~\$ who grep hi	eureka@ubuntu:~\$ echo \${PIPESTATUS[*]} 0 1