

## Simple Programs for debugging

Program	Description
<code>file &lt;filename&gt;</code>	get the filetype of a file
<code>strings &lt;filename&gt;   less</code>	strings in a binary
<code>objdump -d -M intel &lt;binaryname&gt;   sed -n '/ &lt;main&gt;:/\$p'</code>	diassemble main
<code>objdump -d sh   grep -A20 "&lt;_start&gt;"   grep -Po '\s\K[a-f0-9]{2}(?=\s)'   sed 's/^/\x/g'   paste -sd ..</code>	extract shellcode
<code>python -m http.server 8000</code>	create a http server at port 8000
<code>import sys; sys.byteorder</code>	find the endianness of a machine
<code>int('hex', 16)</code>	convert: hex → decimal
<code>bytes.fromhex('41').decode()</code>	convert: hex → string
<code>bytes.fromhex('deadbeef') [::1] # little-endian -&gt; [::-1]</code>	convert: hex → bytes