

# Shell Scripting Interview Questions And Answers Guide.



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## Shell Scripting Job Interview Preparation Guide.

### Question # 1

What are PIDs?

**Answer:-**

They are process IDs given to processes. A PID can vary from 0 to 65535.

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### Question # 2

How do you send a mail message to somebody?

**Answer:-**

mail somebody@globalguideline.com -s "Your subject" -c "cc@globalguideline.com"

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### Question # 3

How do you remove a file?

**Answer:-**

rm

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### Question # 4

How do you remove recursively?

**Answer:-**

rm -rf

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### Question # 5

How do you find out your own username?

**Answer:-**

whoami

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### Question # 6

How do you count words, lines and characters in a file?

**Answer:-**

wc

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### Question # 7

How do you search for a string inside a given file?

**Answer:-**

grep string filename

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### Question # 8



How do you search for a string inside a directory?

**Answer:-**

```
grep string *
```

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**Question # 9**

How do you search for a string in a directory with the subdirectories recursed?

**Answer:-**

```
grep -r string *
```

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**Question # 10**

How do you list currently running process?

**Answer:-**

```
ps
```

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**Question # 11**

How do you find out what's your shell?

**Answer:-**

```
echo $SHELL
```

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**Question # 12**

How do you fire a process in the background?

**Answer:-**

```
./process-name &
```

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**Question # 13**

How do you refer to the arguments passed to a shell script?

**Answer:-**

, and so on. {xtypo\_info}\$1, \$2 and so on. \$0 is your script name. {xtypo\_info} is your script name.

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**Question # 14**

What's the conditional statement in shell scripting?

**Answer:-**

```
if {condition} then {fi
```

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**Question # 15**

How do you do number comparison in shell scripts?

**Answer:-**

```
-eq, -ne, -lt, -le, -gt, -ge
```

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**Question # 16**

How do you test for file properties in shell scripts?

**Answer:-**

-s filename tells you if the file is not empty, -f filename tells you whether the argument is a file, and not a directory, -d filename tests if the argument is a directory, and not a file, -w filename tests for writeability, -r filename tests for readability, -x filename tests for executability

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**Question # 17**

How do you do Boolean logic operators in shell scripting?

**Answer:-**

! tests for logical not, -a tests for logical and, and -o tests for logical or.

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### Question # 18

How do you find out the number of arguments passed to the shell script?

**Answer:-**

`$#`

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### Question # 19

What's a way to do multilevel if-else's in shell scripting?

**Answer:-**

`if {condition} then {statement} elif {condition} {statement} fi`

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### Question # 20

How do you write a for loop in shell?

**Answer:-**

`for {variable name} in {list} do {statement} done`

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### Question # 21

How do you find out the current directory you're in?

**Answer:-**

`pwd`

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### Question # 22

What's the command to find out users on the system?

**Answer:-**

`who`

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### Question # 23

What's the command to find out today's date?

**Answer:-**

`date`

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### Question # 24

How do you stop a process?

**Answer:-**

`kill pid`

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### Question # 25

How do you find out about all running processes?

**Answer:-**

`ps -ag`

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### Question # 26

How do you stop all the processes, except the shell window?

**Answer:-**

`kill 0`

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### Question # 27

How do you define a function in a shell script?

**Answer:-**

`function-name() { #some code here return }`

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**Question # 28**

How do you read keyboard input in shell scripts?

**Answer:-**

```
read {variable-name}
```

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**Question # 29**

How does a case statement look in shell scripts?

**Answer:-**

```
case {variable} in {possible-value-1}) {statement};; {possible-value-2}) {statement};; esac
```

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**Question # 30**

How do you write a while loop in shell?

**Answer:-**

```
while {condition} do {statement} done
```

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