1. Which of the following operators are used for logical execution?  
a) ||  
b) &&  
c) %%  
d) && and ||

Answer: d  
Explanation: The operators && and || are used for logical execution i.e. they act as AND, OR condition respectively. The syntax for using these operators is:

command1 && command2

command1 || command2

2. When we use &&, the second command is executed only when first succeeds.  
a) True  
b) False

Answer: a  
Explanation: The shell provides two operators that allow conditional execution, one of which is &&. It delimits two commands; the second command is executed only when the first command succeeds.

3. When we use ||, both the commands are executed.  
a) True  
b) False

Answer: b  
Explanation: || is an operator used by the shell for conditional execution. It plays an inverse role in which the second command is executed only when the first fails.

4. The syntax for using && is \_\_\_\_\_\_\_\_\_\_\_\_\_\_  
a) cmd1 && cmd2  
b) cmd1 cmd2 &&  
c) cmd1 & cmd2&  
d) cmd1

Answer: a  
Explanation: The shell provides two operators that allow conditional execution –the && and ||. The syntax for using these operators is:

cmd1 && cmd2

cmd1 || cmd2

5. To perform decision depending on the fulfillment of certain criteria, \_\_\_\_ is used.  
a) if  
b) else  
c) for  
d) if and else

Answer: d  
Explanation: The if and else statement makes two-way decisions depending on the fulfillment of certain criteria. These statements are used in UNIX as they are used in other programming languages. For example,

if command is successful

then

Execute command

else

Execute command

fi

6. Every if is closed with a corresponding \_\_\_\_  
a) else  
b) fi  
c) if  
d) else if

Answer: b  
Explanation: if and else statements are used for making two-way decisions. Every if is closed with the corresponding fi. If we don’t do this we’ll encounter an error.

7. To check more than two conditions, \_\_\_ is used with if-else statements.  
a) while  
b) for  
c) elif  
d) for

Answer: c  
Explanation: if-else statements makes two-way decisions depending on the fulfillment of certain conditions. But if we want to check more than two conditions we can use elif statement. For example,

If command is successful

then

Execute command

elif command is successful

Then

Execute command

else. . .

fi

8. The name of the script is stored in which special parameter?  
a) $1  
b) $0  
c) $#  
d) $\*

Answer: b  
Explanation: There are some special parameters used by the shell. One of which is $0 which stores the name of the program.

9. To know the exit status of a command, we can use \_\_\_\_  
a) $$  
b) $\*  
c) $?  
d) $-

Answer: c  
Explanation: The parameter $? stores the exit status of the last command. It displays the value if the command succeeds and a non zero value if it fails.

$ grep director.lst emp.lst >/dev/null ; echo $?

1 // success