# 📌 Basic Linux Commands

## ✅ Multiple Choice Questions (MCQs)

**Instructions:** Choose the correct answer. Each question carries **1 mark**.

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### 1️⃣ What does the `pwd` command do?

A) Lists files
 B) Prints working directory
 C) Changes directory
 D) Deletes files

✅ **Answer:** B

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### 2️⃣ Which command lists files in long listing format?

A) ls -a
 B) ls -lh
 C) ls -l
 D) pwd

✅ **Answer:** C

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### 3️⃣ What does `ls -a` show?

A) Only directories
 B) Hidden files
 C) File size in MB
 D) Only executable files

✅ **Answer:** B

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### 4️⃣ The first character in `ll` output indicates:

A) File size
B) Owner
C) File type
D) Date modified

✅ **Answer:** C

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## 5 What does the symbol d represent in permissions?

A) Regular file
B) Device file
C) Directory
D) Link

✅ **Answer:** C

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## 6 Which command creates nested directories automatically?

A) mkdir -r
B) mkdir -p
C) mkdir -a
D) mkdir -n

✅ **Answer:** B

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## 7 Which command removes only empty directories?

A) rm -r
B) delete
C) rmdir
D) remove

✅ **Answer:** C

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## 8 What does `rm -r` do?

A) Deletes only files
B) Deletes directories recursively
C) Renames files
D) Lists directories

✅ **Answer:** B

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## ⑨ What does `cd -` do?

A) Goes to root directory
B) Moves up one level
C) Switches to previous directory
D) Deletes current directory

✅ **Answer:** C

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## ⑩ Which command displays manual pages?

A) help
B) manual
C) man
D) info

✅ **Answer:** C

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## ⑪ What does `touch file.txt` do?

A) Deletes file
B) Creates empty file
C) Opens file
D) Copies file

✅ **Answer:** B

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## ⑫ Which command displays file content?

A) read
 B) view
 C) cat
 D) show

✅ **Answer:** C

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## 13 Which command shows file content in reverse order?

A) rev
 B) tac
 C) cat -r
 D) reverse

✅ **Answer:** B

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## 14 What is the correct syntax for copying a file?

A) copy source destination
 B) cp destination source
 C) cp source destination
 D) mv source destination

✅ **Answer:** C

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## 15 Which command is used to rename a file?

A) rename
 B) mv
 C) cp
 D) rm

✅ **Answer:** B

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## 16 An absolute path always starts with:

A) ~
 B) ..

C) /
D) .

✅ **Answer:** C

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## 1️⃣7️⃣ Which of the following is a relative path?

A) /home/ec2-user/file.txt
B) ../../projectA/src/app.txt
C) /etc/passwd
D) /var/log/messages

✅ **Answer:** B

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## 1️⃣8️⃣ Which path works from anywhere in the system?

A) Relative path
B) Absolute path
C) Local path
D) Parent path

✅ **Answer:** B

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## 1️⃣9️⃣ What does **. .** represent in Linux?

A) Current directory
B) Root directory
C) One level up
D) Hidden file

✅ **Answer:** C

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## 2️⃣0️⃣ Which command is dangerous if used carelessly?

A) ls
B) pwd
C) rm -r *
D) cd

✅ **Answer:** C

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