

Exercises File

globbing

Basic Setup

1. Create a working directory and enter it:

```
mkdir globbing_lab && cd globbing_lab
```

2. Create the following files:

```
touch file1 file10 file11 file2 File2 File3 fileAB filea fileA fileAAA report1.txt  
report2.doc report3.txt test.sh demo.py app.js foot1234.doc best.pdf best.txt
```

Basic Wildcards: * and ?

3. List all files beginning with `file`:

```
ls file*
```

4. List files that start with `file` and end with a **number**:

```
ls file*[0-9]
```

5. List all files that start with `file` and have exactly **one more character**:

```
ls file?
```

6. List files whose names are exactly **five characters long**:

```
ls ?????
```

Character Classes and Ranges

7. List files starting with either lowercase `f` or capital `F`:

```
ls [fF]*
```

8. List files starting with a letter and ending in a number:

```
ls [a-zA-Z]*[0-9]
```

9. List all files starting with `file` followed by a capital letter:

```
ls file[A-Z]*
```

Negated Patterns and Exclusions

10. List files **not starting** with `F`:

```
ls [!F]*
```

11. List files **not ending** in `t`

```
ls *![t]
```

Specific Length and Extension Matching

12. List `.txt` files with four-letter names:

```
ls ????.txt
```

13. List `.doc` files whose names begin with `foot` and are 8 characters long:

```
ls foot?????.doc
```

14. List files named `best` with a three-letter extension of any kind:

```
ls best.???
```