OPERATING SYSTEM

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SECTION: BSCS-5A

File Command:

file command is used to determine the type of a file. .file type may be of human-readable(e.g. 'ASCII text') or MIME type(e.g. 'text/plain; charset=us-ascii'). This command tests each argument in an attempt to categorize it.

It has three sets of tests as follows:

filesystem test: This test is based on the result which returns from a stat system call. The program verifies that if the file is empty, or if it's some sort of special file. This test causes the file type to be printed.

magic test: These tests are used to check for files with data in particular fixed formats.

language test: This test search for particular strings which can appear anywhere in the first few blocks of a file.

Syntax:
file [option] [filename]
Example: Command displays the file type
file email.py
file name.jpeg
file Invoice.pdf
file exam.ods
file videosong.mp4
Options:

-b, -brief: This is used to display just file type in brief mode.

Syntax:

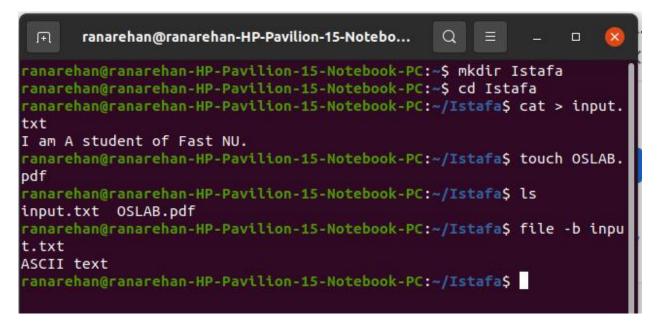
file -b filename

Example:

file -b email.py

file -b input.txt

file -b os.pdf



^{*} option : Command displays the all files's file type.

file *

directoryname/* option : This is used to display all files filetypes in particular directory.	
Syntax:	
file directoryname/*	
Example:	
file work/*	
ranarehan@ranarehan-HP-Pavilio Q = _ 🗆 🔕	
ranarehan@ranarehan-HP-Pavilion-15-Notebook-PC:~/Istafa\$ file input.txt/* input.txt/*: cannot open `input.txt/*' (Not a directory) ranarehan@ranarehan-HP-Pavilion-15-Notebook-PC:~/Istafa\$	
[range]* option: To display the file type of files in specific range.	
Syntax:	
file [range]*	
Example:	
file [a-z]*	
file [a-e]*	

```
ranarehan@ranarehan-HP-Pavilion-15-Notebook-P... Q = - - &

ranarehan@ranarehan-HP-Pavilion-15-Notebook-PC:~/Istafa$ file [a-z]*

assignmnet: directory

fast.txt: ASCII text

input.txt: ASCII text

ranarehan@ranarehan-HP-Pavilion-15-Notebook-PC:~/Istafa$
```

-F option : File and file type are separated by :. But we can change separator using -F option

Syntax:

file -F "-" filename

Example:

file -F - input.txt

file -F + os.pdf

-help option: Print a help message and exit.