

PyShell Command Reference Guide

1. DSA Commands (Stack, Queue, Linked Lists)

- Stack Commands

stack push 10 20 -> Push values to stack
stack pop -> Pop top element
stack peek -> View top element
stack display -> Show all items
stack trace -> Reverse display
stack sort -> Sort stack
stack sort reverse -> Sort in descending order
stack search 10 -> Search value
stack bsearch 10 -> Binary search after sorting

- Queue Commands

queue enqueue 10 20 -> Add to queue
queue dequeue -> Remove front item
queue front/rear -> Peek front/rear
queue display -> Show all items
queue sort -> Sort queue
queue sort reverse -> Descending sort
queue search 10 -> Search value
queue bsearch 10 -> Binary search

- LinkedList Commands

linkedList insert 10 20 -> Insert values
linkedList delete 10 -> Delete value
linkedList display -> Show list
linkedList reverse -> Reverse display
linkedList sort -> Sort list
linkedList search 10 -> Search
linkedList bsearch 10 -> Binary search

- CircularLinkedList Commands

clist insert 10 20 -> Insert circular
clist delete 10 -> Delete
clist display -> Show items
clist sort -> Sort
clist sort reverse -> Reverse sort

clist search 10 -> Search
clist bsearch 10 -> Binary search

- DoublyLinkedList Commands

dlist insert 10 20 -> Insert doubly
dlist delete 10 -> Delete
dlist display -> Show items
dlist reverse -> Reverse display
dlist sort -> Sort
dlist sort reverse -> Reverse sort
dlist search 10 -> Search
dlist bsearch 10 -> Binary search

2. File Operations

file read input.txt -> Read content
file write output.txt Hello -> Write new content
file append file.txt More -> Append data
file delete file.txt -> Delete file
file access file.txt -> Check accessibility
file open file.pdf -> Open file

3. Navigation & Utility

cd D:\folder -> Change directory
pwd -> Show current directory
clear -> Clear the screen
help -> Show command help
exit -> Quit shell

4. System Commands (OS)

dir -> List directory contents
type input.txt -> Show file content
echo Hello > file.txt -> Redirect output to file
ping google.com -> Network ping

5. I/O Redirection & Piping Examples

type input.txt | find "Line" -> Search 'Line' in file
dir | findstr "txt pdf" -> Filter files
type input.txt > output.txt -> Redirect output to file
type input.txt | findstr "test" | sort -> Multiple piping