Practical No: 3 vi Editor

**Create the file with the name “vi\_test” with some meaningful contents using vi editor. Use this file to test various commands.**

[tybscit@localhost Desktop]$ cat>vi\_test

Twinkle Twinkle

Little Star

How I Wonder what you are?

Up Above the world so High!!

Like a diamond in the Sky........

Jack and Jill

went up the hill

to fetch a pale of water

Jack fell down

and broke his crown

Jill came tumbling after.....

**1. Shift from command mode to insert mode.**

**Code**: vi vi\_test

Press i

**Output:** shifts from command to insert mode

**2. Enlist the basic cursor movement commands.**

**Code & Output:**

Up Above the worldsoHigh!!

(pointer is at (t)he)

h - moves one letter backword

i - to insert records

j - moves to next line

k - moves to the previous line

backspace - move backward

spacebar - move forward

l - move forward

^/0 - moves to the initial letter of the word

**3. Move the cursor to the beginning of next line.**

**Code & Output:** +

**4. Move the cursor to the beginning of previous line.**

**Code & Output:** -

**5. Observe what happens when you type 5b in current line?**

**Code:** 5b

**Output:** it goes 5 words behind

**6. Observe what happens when you type 3w in current line?**

**Code:** 3w

**Output:** It goes 3 words forward.

**7. Moves the cursor to the first character of the next word in current line.**

**Code & Output:** w

**8. Moves the cursor to the first character of the previous word in current line.**

**Code & Output:** b

**9. Moves the cursor to the end of the current word in current line.**

**Code & Output:** e

**10. Set the line numbering against each line.**

**Code:** :set number

**Output:**

1 Twinkle Twinkle

2 Little Star

3 How I Wonder waht you are ?

4 Up Above the worldsoHigh !!

5

6 Like a diamond in the Sky........

7 Jack and Jill

8 went up the hill

9 to fetch a pale of water

10 Jack fell down

11 and broke his crown

12 Jill came tubling after.....

**11. What will happen when you type G and 5G? Observe the output.**

**Code & Output:**

G - goes to the last line

5G - goes to the fifth line

**12. Enlist delete characters/lines commands.**

**Code & Output:**

x or X - deletes 1 letter

dw- deletes 1 letter

ddcnx- deletes 1 letter

nx- deletes 1 letter

ndw-deletes 1 word

ndd-deletes 1 line

do- (current folder is not in diff mode)

ds- does nothing

dj-deletes 1 entire line

**13. Save your current work and remain in editing mode.**

**Code & Output:** Esc:w

**14. Delete a line that is three lines down the current line.**

**Code & Output:** Esc:+3d

**15. Delete a line that is four lines above the current line.**

**Code & Output:** Esc:-4d

**16. Delete all three lines below the current line including current line.**

**Code & Output:** Esc:.,3d

**17. Abort the changes.**

**Code & Output:** Esc:w!

**18. Save your work and quit from vi editor.**

**Code & Output:** Esc:wq

**19. What will happen when you type the command vi +5 vi\_test? Observe the output.**

**Output:** a new empty vi folder is created

**20. Delete 7th line.**

**Code:** Esc:7d

**Output:** 7th line deleted.

**21. Delete lines from 3rd to 5th.**

**Code:** Esc :3,5d

**Output:** Lines Deleted.

**22. Move line 5th after line 7.**

**Code:** Esc:5 mo 7

**Output:**

Twinkle Twinkle

Jack and Jill

went upthe hill

Little Star

Up Above the worldsoHigh!!

Like a diamond in the Sky........

How I wonder waht you are ?

to fetch a pale of water

Jack fell down

and broke his crown

Jill came tumbling after.....

**23. Move line 2nd to 5th after line 9.**

**Code:** Esc:2,5 mo 7

**Output:**

Twinkle Twinkle

Like a diamond in the Sky........

How I wonder waht you are ?

Jack and Jill

went upthe hill

Little Star

Up Above the worldsoHigh!!

to fetch a pale of water

Jack fell down

and broke his crown

Jill came tumbling after.....

4 lines moved

**24. Copy line 4th after line 6.**

**Code:** Esc:4 co 6

**Output:**

Twinkle Twinkle

Like a diamond in the Sky........

How I wonder waht you are ?

Jack and Jill

went upthe hill

Little Star

Jack and Jill

Up Above the worldsoHigh!!

to fetch a pale of water

Jack fell down

and broke his crown

Jill came tumbling after.....

**25. Copy lines 6th to 10th after line 8.**

**Code:** Esc:6,10 mo 11d

**Output:**

Twinkle Twinkle

Like a diamond in the Sky........

How I wonder waht you are ?

Jack and Jill

went upthe hill

and broke his crown

Little Star

Jack and Jill

Up Above the worldsoHigh!!

to fetch a pale of water

Jack fell down

Jill came tumbling after.....

**26. Save current file with the new filename “test\_vi”.**

**Code:** Esc:w test\_vi

**27. Write line 2 in new file “example”.**

**Code:** Esc:2 w example

**Output:** "example" [New] 1L, 34C written 5,1 All

**28. Write current line in new file “eg1”.**

**Code:** Esc:.w eg1

**Output:** "eg1" [New] 1L, 16C written 5,1 All

**29. Write last line in new file “eg2”.**

**Code:** Esc:$ w eg2

**Output:** "eg2" [New] 1L, 29C written 5,1 All

**30. Write lines from current line to last line to a file “eg3”.**

**Code:** Esc:.,$ w eg2

**Output:** "eg3" [New] 8L, 160C written 5,1 All

**31. Write lines 7 to 10 in new file “eg4”.**

**Code:** Esc:7,10 w eg4

**Output:** "eg4" [New] 4L, 79C written 5,1 All

**32. Append lines 3 to 5 in file “example”.**

**Code:** Esc:3,5 w >> example

**Output:** "example" 2L, 50C appended 4,11 All

**33. Read the contents of file “example” at current cursor position in file “test\_vi”.**

**Code:** Esc:H example

**Output:**

How I wonder waht you are ?

Jack and Jill

went upthe hill

and broke his crown

Little Star

Jack and Jill

Up Above the worldsoHigh!!

to fetch a pale of water

Jack fell down

Jill came tubling after.....

vi\_test [+][RO] 4,11 Bot

Jack and Jill

went upthe hill

and broke his crown

Little Star

Jack and Jill

Up Above the worldsoHigh!!

to fetch a pale of water

Jack fell down

Jill came tumbling after.....

~

~

vi\_test [+][RO] 4,1 Bot

**34. Replace first occurrence of “the” with “THE” in current line.**

**Code:** Esc:.s/the/THE

**35. Replace all occurrences of “this” with “THIS” in current line.**

**Code:** Esc:.s/this/THIS/g

**36. Replace all occurrences of “that” with “THAT” from lines 5 to 8.**

**Code:** Esc:5,8,s/that/THAT/g

**37. Replace all occurrences of “the” with “THE” from 1st line to end of file.**

**Code:** Esc:1, $s/the/THE/g

**38. Replace all occurrences of “how” with “HOW” from 1st line to current line.**

**Code:** Esc:1,.s/how/HOW

**39. Replace all occurrences of “that” with “THAT” from current line to end of file.**

**Code:** Esc.$ S/that/THAT/g

**40. Save your work and quit from vi editor.**

**Code:** Esc:wq

**41. Load three files “demo”, “test”, and “example” in vi buffer for editing.**

**Code:** vi demo test example

**42. Edit next file in the buffer.**

**Code:** Esc:n

**43. Display the names of all files in the buffer.**

**Code:** Esc:args

**Output:** [vi\_test]

**44. Make some editing in this file.**

**Code:** I or i

**45. Edit next file in the buffer without saving the current file.**

**Code:** Esc:n!

**46. Edit first file in the buffer.**

**Code:** Esc:rew

**47. Display the name of the current file.**

**Code:** Esc:f

**Output:** "vi\_test" [Modified][readonly] 13 lines --100%--

**48. Stop editing current file and edit file “videmo”.**

**Code:** Esc:e videmo

**49. Edit first file in the buffer without saving current file.**

**Code:** Esc:rew!

**50. Restores last-saved edition of current line.**

**Code:** Esc:e!

**51. Returns to editing most recently edited file.**

**Code:** Esc:e#

**Output:** "videmo" [New File]

**52. Save your work and quits vi editor.**

**Code:** Esc:wq

**Output:** "videmo" [New] 0L, 0C written 4,11 All

**53. Load the file “vi\_test”.**

**Code:** vi vi\_test

**54. Search for the pattern “the” in forward direction.**

**Code:** /the

**55. Search for the pattern “the” in backward direction.**

**Code:** ?the

**56. Search for all lines which begin with the word “how”.**

**Code:** /^how/

**57. Search for all lines which end with the word “how”.**

**Code:** /how$/

**58. Search for all strings which begin with the word “the”.**

**Code:** /^the/

**59. Search for all strings which end with the word “the”.**

**Code:** /the$/

**60. Search for only the whole word “what”.**

**Code: ^**<what\>/

**61. Search for strings which contain any character in the range ‘m’ to‘s’ and is followed by ‘ing’.**

**Code:** /[m-s]ing/

**62. Search for all strings which contain the characters ‘art’, with art being preceded by any other character other than ‘p’.**

**Code:** /[^p]art/

**63. Search for all words which begin with characters ‘that’ and end with any characters.**

**Code:** /that/\*

**64. Save your work and quits vi editor.**

**Code:** ESC:wq