

BURROW'S-WHEELER TRANSFORM ALGORITHM EXECUTION (USING C++)

INPUT-1: SINGLE CHARACTER

OUTPUT-1:

```
D:\DAA PROJECT SEM4\BWT: x + v
Choose input option:
1. Enter text manually
2. Input text from file
1
Enter the text: a
Burrows-Wheeler Transform: a

-----
Process exited after 3.753 seconds with return value 0
Press any key to continue . . . |
```

INPUT-2: REPEATED PATTERN AS STRING

(HERE WE ARE GIVING ABC REPETETIVELY)

OUTPUT-2:

```
D:\IDAA PROJECT SEM4\BWT: x + v
```

```
Choose input option:  
1. Enter text manually  
2. Input text from file  
2  
Enter the filename containing the text: repeatedpattern.txt  
Burrows-Wheeler Transform: ccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb  
bbbbbbbbbbbbbbbbb  
  
-----  
Process exited after 11.09 seconds with return value 0  
Press any key to continue . . . |
```

INPUT-3: RANDOM DATA

(HERE, WE HAVE TAKEN A RANDOM STRING CONTAINING SMALL AND CAPITAL ALPHABETS, NUMBERS, SPECIALCHARACTERS, SPACES)

OUTPUT-3:

```
D:\DAA PROJECT SEM4\BWT: x + v
Choose input option:
1. Enter text manually
2. Input text from file
2
Enter the filename containing the text: randomstring.txt
Burrows-Wheeler Transform: h**68*6@$Q!@(*$6***&!*(6%$*%&((6745856687468*496145548959h572(88t**QB0EQJTVhUHOjJJKGBHS00aEHPOoIIIIIPKJG10K00&VGVPQJFIIGSY*%T*#
W&W*(g*psphwbygihi0j4ytprgff*prjoiehhreiluydngjiuuu ugjfhgfgarrhn0gjaPpkbkiikjiriioooooogheeeepwkofgjHJsgdvufU

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Process exited after 12.23 seconds with return value 0
Press any key to continue . . . |
```