

# Python Assignment 1(Testing)

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## Test Cases

### Case 1:- Input File

The program is taking the input file path and processing to give output file.

```
Please enter data filename and path: resources/trees.txt

Process finished with exit code 0
```

*Figure 1 Entering pathname and filename after running the program*

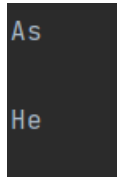
### Case 2:-Output File

The program is generating the output file in a folder with the name Yashash\_word\_abbrevs.txt

```
Alder
ADR
Crab Apple
CBA
Common Ash
CNA
Silver Birch
SRB
Downy Birch
DYB
European Beech
ENB
Box
BOX
Wild Cherry
WDC
Bird Cherry
BDC
Blackthorn
BRN
Wych Elm
WHE
```

*Figure 2 Output file*

Case 3:- For a words less than 3 it is not generating the word abbreviation which is not applicable



As  
He

*Figure 3 word less than 3 letters*

Case 4:- For a name with 1 word , 2 words and 3 words based on the least count the output is generating.

```
For One Word
Alder
A:first_letter (0) + D: value(9)+index(2) + R: last_letter(5) :- total least score is 16

For Two Words
Crab Apple
C:first_letter (0) + B:last(5) + A:first_letter(0) :- total least score is 5

for three words
Almond-leaved Willow
A:first_letter (0) +L:first_letter (0) +W:first_letter (0) :- total least score is 0
```

*Figure 4 Testing the Result and calculating the least count*