

Programming Assignment

a) Sample Run 1

- i) *This screenshot shows the first sample run from the pdf assignment and demonstrates the correct number (4) of substrings being obtained.*

```
Console [X]
<terminated> (exit value: 0) hw1- programLinkedLists Debug [C
Enter a string : CABAAXBYA

Substring 1:AB
Substring 2:ABAAXB
Substring 3:AAXB
Substring 4:AXB
Total 4 substrings
```

b) Sample Run 2

- i) *This screenshot shows the second sample run from the pdf assignment and demonstrates the correct number (0) of substrings being obtained.*

```
Console [X]
<terminated> (exit value: 0) hw1- programLinkedLists Debug [C
Enter a string : XYZBCDACE
|
Total 0 substrings
```

c) Sample Run 3

- i) *This screenshot shows another example run, not on the pdf, and demonstrates the correct number (7) of substrings being obtained.*

```
LinkedLists: LinkedList (CONST LinkedLists
20 5
Console [X]
<terminated> (exit value: 0) hw1- programLinkedLists Debug
Enter a string : DFAFGBHHBAYYWBABA
|
Substring 1:AFGB
Substring 2:AFGBHHB
Substring 3:AFGBHHBAYYWB
Substring 4:AFGBHHBAYYWBAB
Substring 5:AYYWB
Substring 6:AYYWBAB
Substring 7:AB
Total 7 substrings
```