```
/*------------------------------------------------------------------------
Programming Assignment 1 Submission
Linked Lists -- Asks a user to enter a text string and display the
        Number of substrings that start with A and end with B.
Created by Hyo Lee
Student ID: 002292770
01/12/2016
------------------------------------------------------------------------*/
```

C:\WINDOWS\system32\cmd.exe

```
Enter a string: CABAAXBYA

Substring 1: AB
Substring 2: ABAAXB
Substring 3: AAXB
Substring 4: AXB
Total 4 substrings
Press any key to continue . . .
```

C:\WINDOWS\system32\cmd.exe

```
Enter a string: ABASDXFCBBAAESSEB

Substring 1: AB
Substring 2: ABASDXFCB
Substring 3: ABASDXFCBB
Substring 4: ABASDXFCBBAAESSEB
Substring 5: ASDXFCB
Substring 6: ASDXFCBB
Substring 7: ASDXFCBBAAESSEB
Substring 8: AAESSEB
Substring 9: AESSEB
Total 9 substrings
Press any key to continue . . .
```

C:\WINDOWS\system32\cmd.exe

```
Enter a string: XYZBCCDACED

Total 0 substrings
Press any key to continue . . .
```

The 1st screenshot shows the same substrings output from the sample run provided to us. The 2nd screenshot is another example of correct substrings output with the string input of ABAXDXFCBBAAESSEB which correctly outputs 9 substrings. The 3rd screenshot uses the same string input XYZBCCDACED which produces 0 substrings because there are no 'A' chars followed by 'B' chars.