

سوال اول

Write a program that reads a C program and prints in alphabetical order each group of variable names that are identical in the first n characters, but different somewhere thereafter. Don't count words within strings and comments. Make n a parameter that can be set from the command line.

```
1 | $ ./a.out 6
```

سوال دوم

Write a cross-referencer that prints a list of all words in a document, and for each word, a list of the line numbers on which it occurs. Remove noise words like the , and , and so on.

سوال سوم

Write a program that prints the distinct words in its input sorted into decreasing order of frequency of occurrence. Precede each word by its count.