# NoMoss

What is MOSS?

MOSS(Measure of Software Similarity) is an algorithm developed by Stanford for educational purposes to cope up with code plagiarism. This technique is being used by various competitive coding websites like codechef to keep a check on plagiarism.

Source:
http://theory.stanford.edu/~aiken/publications/papers/sigmod03.pdf

Disadvantages of MOSS:

Although this technique is awesome but it isn't perfect which harms some innocent candidates while some criminals are able to escape.
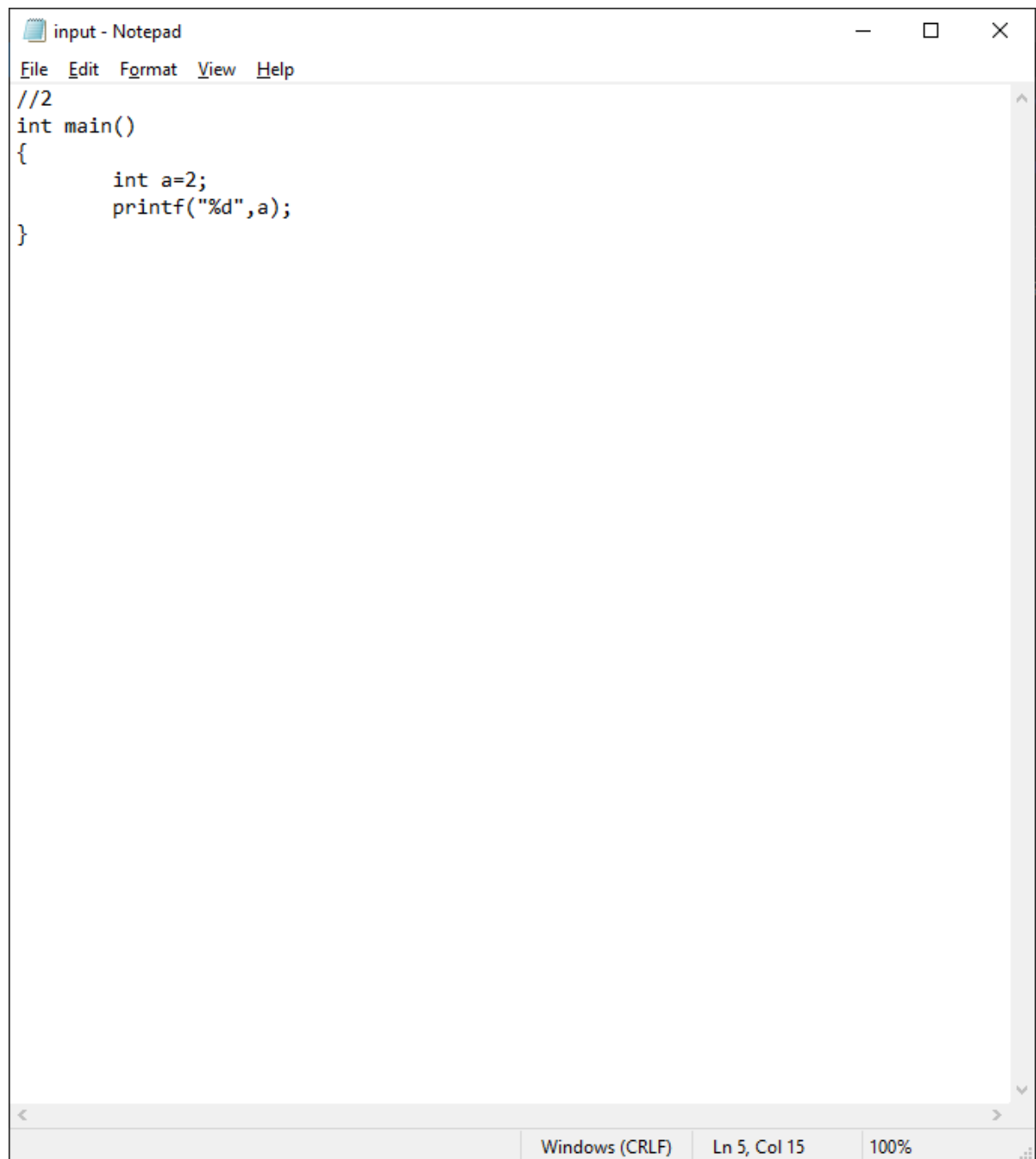
What is NoMoss?

NoMoss is a technique to bypass MOSS ,which has been developed on the firm belief of

"No innocent should be hanged even though hundreds of criminals are to be liberated".
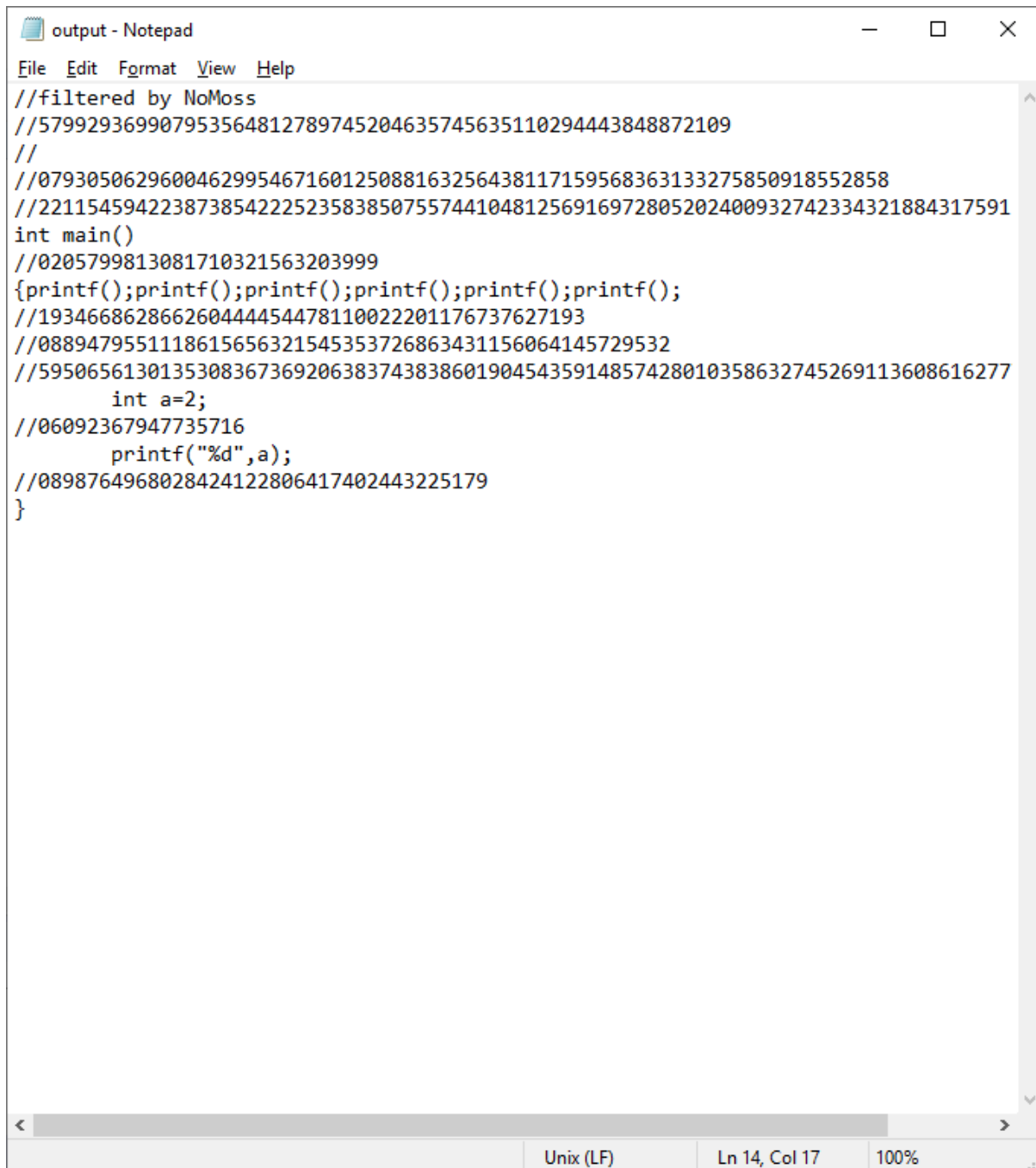
How does it work?

It utilizes the brute-force algorithm of the technique to create a NoMoss clone of the original code. Eg.

```
//2
int main()
{
        int a=2;
        printf("%d",a);
}
```

```
output - Notepad                                              —   □   ✕
File  Edit  Format  View  Help
//filtered by NoMoss
//57992936990795356481278974520463574563511029444384887Z109
//
//07930506296004629954671601250881632564381171595683631332758509185528S8
//22115459422387385422252358385075574410481256916972805202400932742334321884317591
int main()
//020579981308171032156320399
{printf();printf();printf();printf();printf();printf();
//19346686286626044445447811002220117673762719S
//08894795511186156563215453537268634311560641457295S2
//59506561301353083673692063837438386019045435914857428010358632745269113608616277
        int a=2;
//06092367947735716
        printf("%d",a);
//08987649680284241228064174024432251S9
}
```

The NoMoss technique not only create difference in the visible  code but also in the compiled code.

Additionals:

1) Currently NoMoss supports JAVA and C code only. Support for more languages will be added soon.
2) NoMoss currently works as a JAR executable file,which is standalone(for instructions how to use it : view the file "instructions.txt")
3) NoMoss will be very soon launched as an online platform too.

By-

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