

PROJECT - PLAIN EDITOR

Presented to -

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PROJECT - PLAIN EDITOR

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WHAT IS PLAIN EDITOR

Plain editor is a **text editor** .





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PLAIN EDITOR -WHAT IS TEXT EDITOR

A **text editor** is a type of computer program that edits plain text. Text editors are provided with operating systems and software development packages, and can be used to change configuration files, documentation files and programming language source code.

PLAIN EDITOR - WHY CUSTOM TEXT EDITOR

Cause **custom text editor** offers us to get specifically the features we want . So we can concentrate on our work .

Several thin, parallel white lines are drawn diagonally across the bottom right corner of the slide, adding a modern, minimalist aesthetic.

PLAIN EDITOR - **BASIC FEATURES OF A TEXT EDITOR**

Find and replace

Cut, copy, and paste

Ability to handle UTF-8 encoded text

Text formatting

Undo and redo

Data transformation

Filtering

Syntax highlighting

Extensibility



FEATURES OF PLAIN EDITOR

Find and replace

Cut, copy, and paste

Ability to handle UTF-8 encoded text.

Text formatting

Undo and redo

Syntax highlighting

WPM measurement

User-friendly reading mode

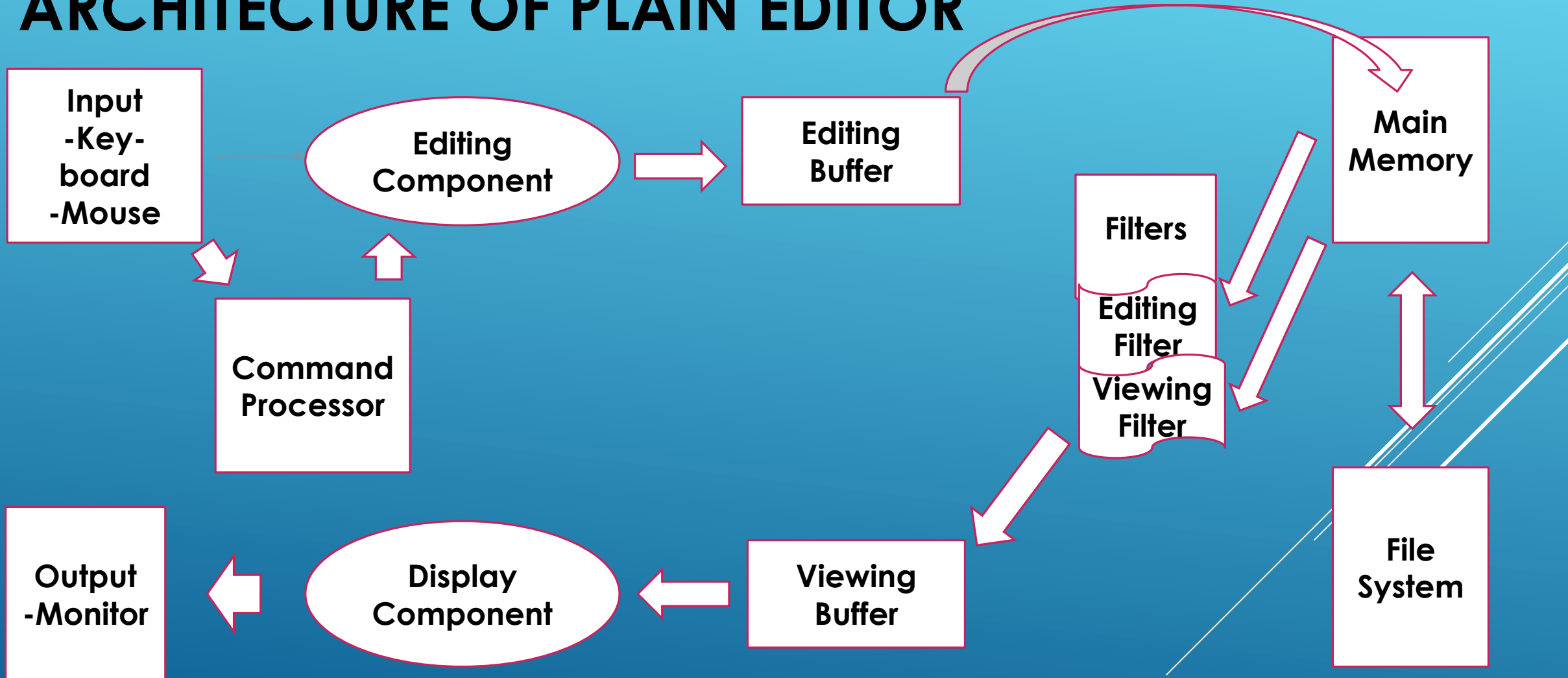
How JAVA works – Show Byte Code

Execute JAVA code

File recovery



ARCHITECTURE OF PLAIN EDITOR



ARCHITECTURE OF PLAIN EDITOR - **EXPLANATION**

First Plain Editor(PE) takes input from input(Key-board , Mouse) . Then it sends it to the command processor. This takes care of all of the commands - like what will happen when . Then it passes data to the editing components , this is where data internally takes new appearance . Now these all data put into a buffer . Through this buffer PE , talks with File System through Main Memory(RAM) . Main memory also works as the communicator of viewing filter and editing filter . Viewing filter then passes the data to the display component .For this case components are JAVA swing components . Then output are displayed to the output(Monitor)

DETAILED FEATURES OF PLAIN EDITOR

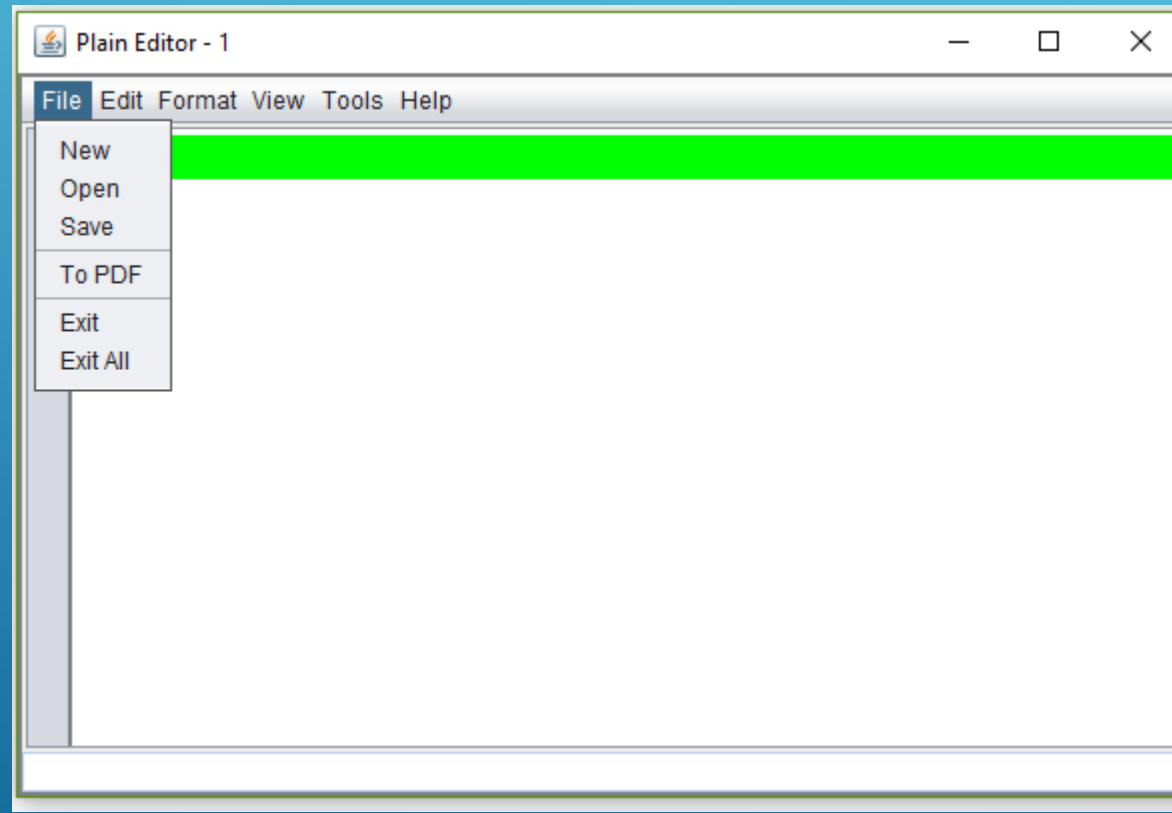
Features of PE is distributed in three parts .

- Menu bar
- Popup menu
- Keyboard shortcut

Some are in Menu-bar , some are in pop-up menu . Pop-up menu features are given to quickly access the features . Keyboard shortcut has been created for almost all the features , which are needed to be implemented quickly .

DETAILED FEATURES OF PLAIN EDITOR-**FILE MENU**

File Menu contains “New” , ”Open” , “Save” , ”To PDF” , ”Exit” , ”Exit All” command.



DETAILED FEATURES OF PLAIN EDITOR-**FILE MENU**

New command – This creates a new instance of PE, containing nothing .

Open command – This gives user the ability to open UTF-8 encoded files . Using a Input Stream Buffer this command is completed . Which includes JAVA, C/C++,Text and much more .

Save command – This gives user the ability to save file to disc, on a specific location and name .

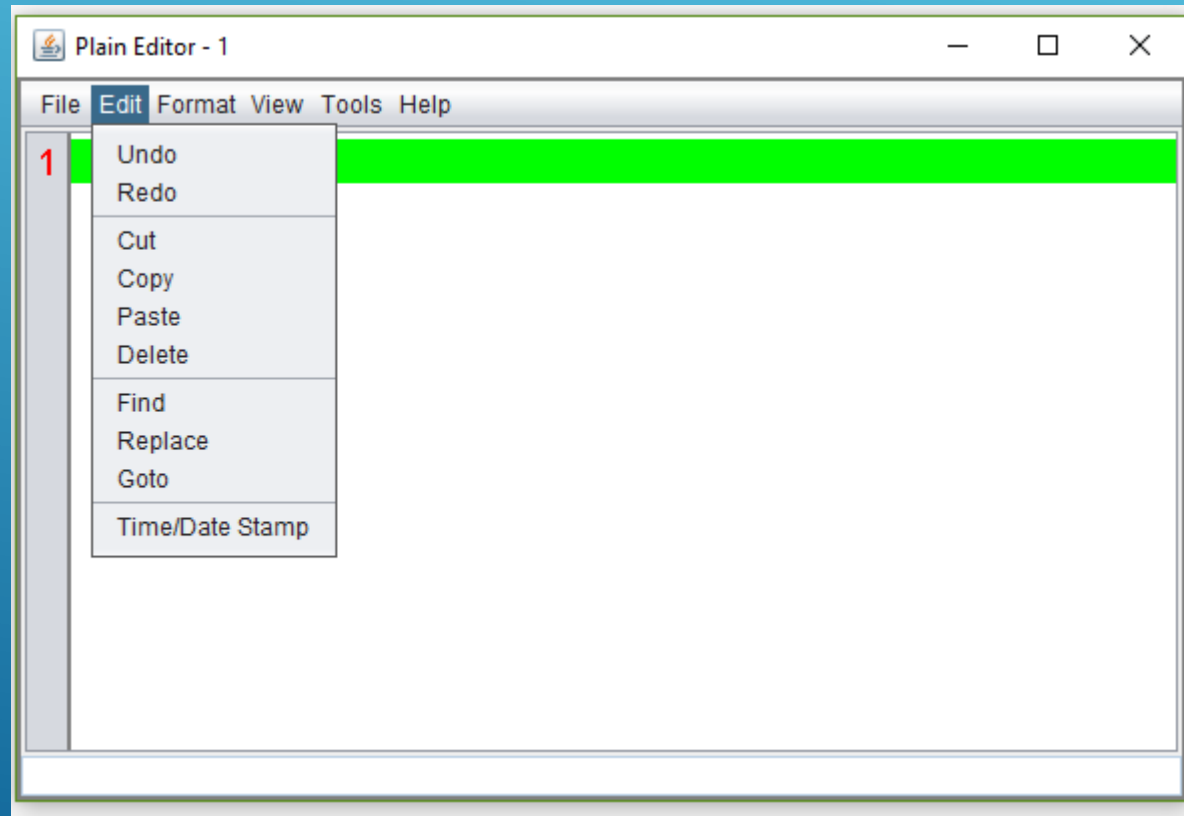
Print command – This gives user the ability to print the content of PE of that instance . This converts documents to PDF , then it prints documents .

Exit command – This command exit the specific instance of PE.

Exit All command – This command exit all instance of PE.

DETAILED FEATURES OF PLAIN EDITOR-**EDIT MENU**

Edit Menu contains – “Undo”, “Redo”, “Cut”, “Copy”, “Paste”, “Delete”, “Find”, “Replace”, “Go to”, “Time/Date Stamp” .



DETAILED FEATURES OF PLAIN EDITOR-**EDIT MENU**

Undo command – This command uses JAVA swing Undo Listener , this gives a smooth undo command execution .

Redo command – Like Undo command this command uses JAVA swing's Undo Listener , this also gives smooth and fast redo.

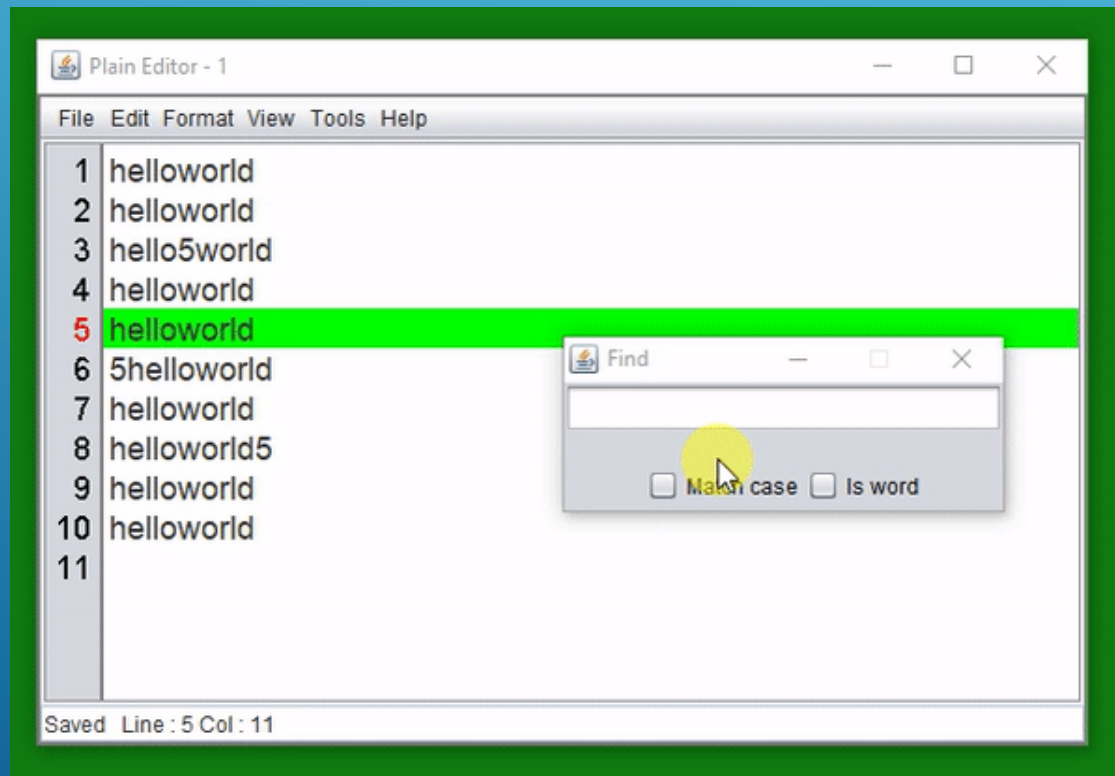
Cut command – This cut the specifically selected text from the PE and puts it into system clipboard for further uses .

Copy command – This copies the specifically selected text form the PE and puts it into the system clipboard for further uses .

Paste command – This paste data from system clipboard to the PE , where mouse caret is placed .

DETAILED FEATURES OF PLAIN EDITOR-EDIT MENU

Find command – PE uses find as user type method . It can find and mark 100 million keyword within second , on any standard computer . Find command is also equipped with is word and match case methods .



DETAILED FEATURES OF PLAIN EDITOR-EDIT MENU

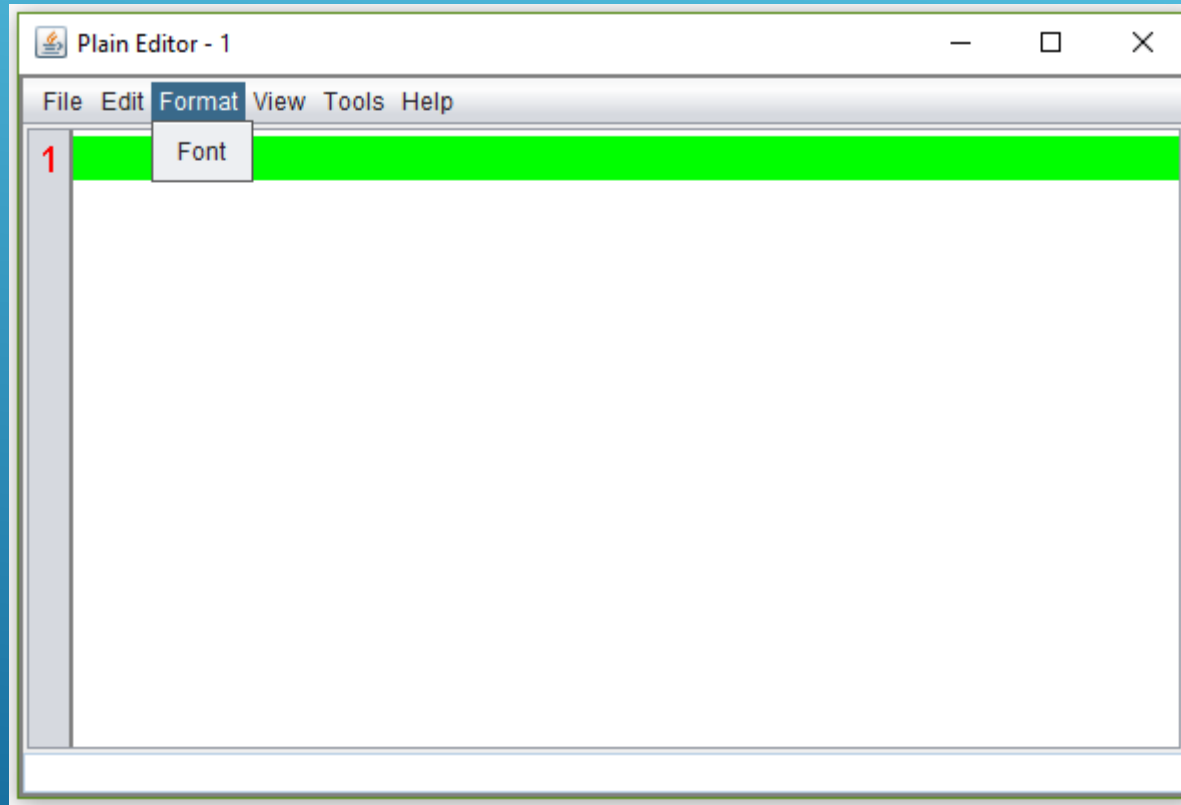
Replace command – This command replace specific keyword via one click or it gives user to select a or multiple instance then , replace it . It is also equipped with is word and match case method . During replacing procedure it also shows all the keyword highlighted , so user gets a better view . It also has go to next and go to previous method .

Go to command – This command is mainly for huge documents , but user can use it anywhere . Using this user can go to an specific line .

Time/Date Stamp command – This puts a time/date stamp into PE .

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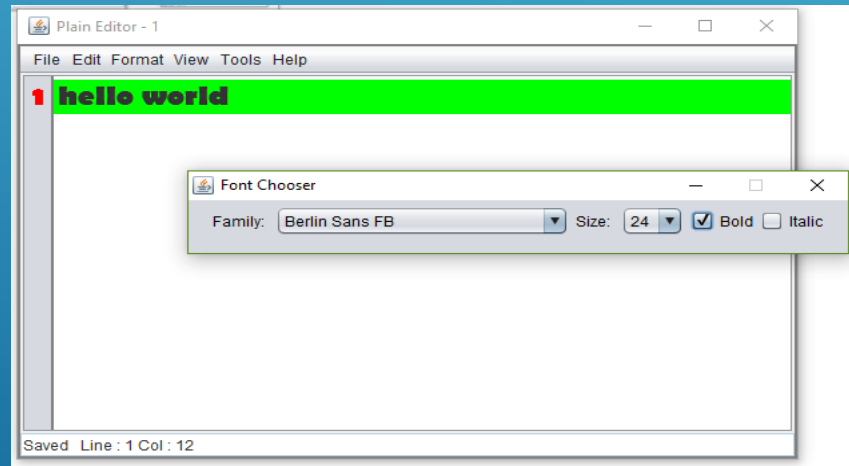
DETAILED FEATURES OF PLAIN EDITOR-**FORMAT MENU**



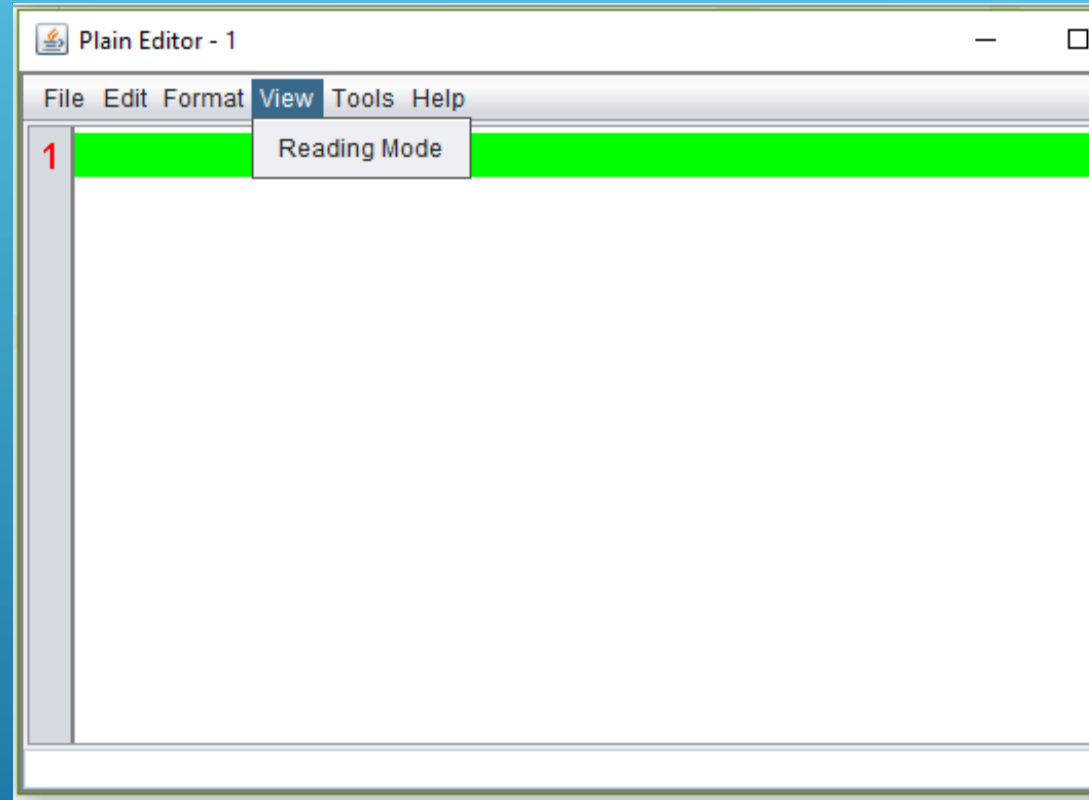
DETAILED FEATURES OF PLAIN EDITOR-**FORMAT** **MENU**

These menu contains least feature but one of the most important feature .

Font command – This gives the user the power to choose font from a huge range of collections . There is also font size selecting options and italic/bold options .



DETAILED FEATURES OF PLAIN EDITOR-**VIEW MENU**

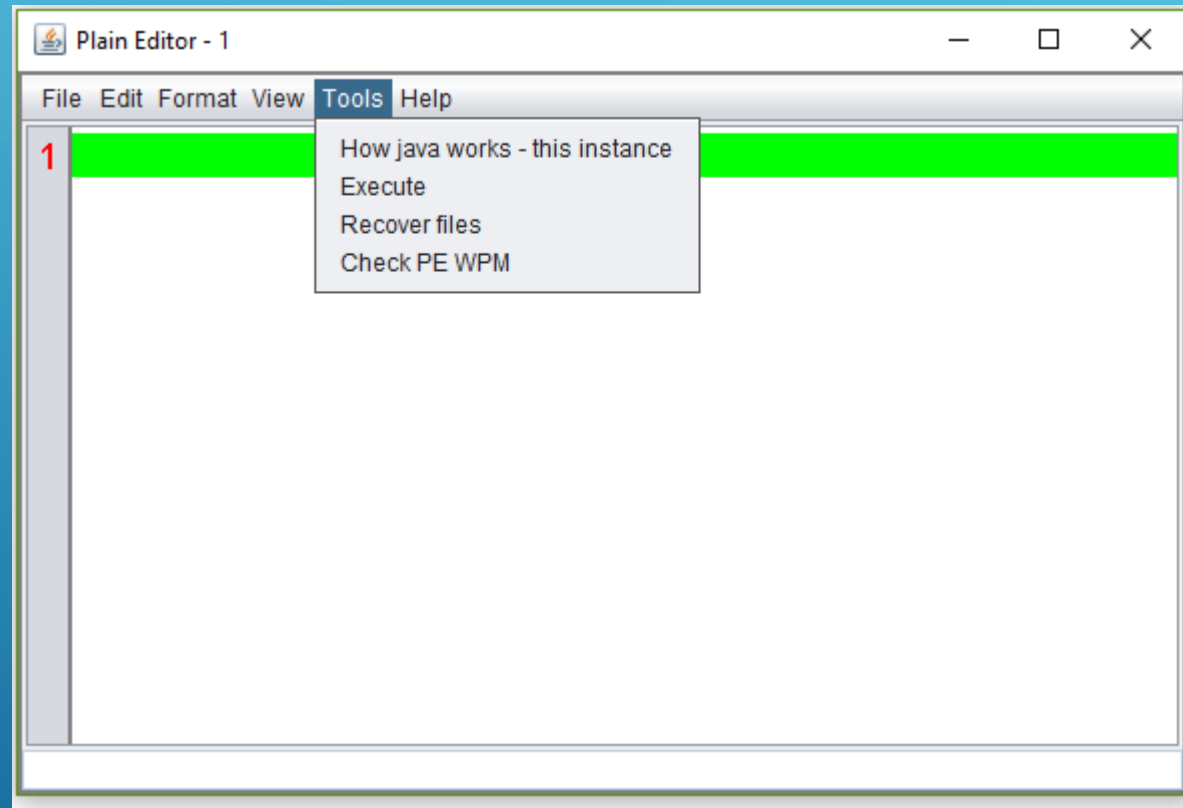


DETAILED FEATURES OF PLAIN EDITOR-**VIEW MENU**

Reading Mode command – This command disable/enable PE's editing capability . So user can focus on reading in a rusty condition .

Several thin, parallel white lines are drawn diagonally across the bottom right corner of the slide, adding a modern, abstract design element.

DETAILED FEATURES OF PLAIN EDITOR-**TOOL MENU**



DETAILED FEATURES OF PLAIN EDITOR-**TOOL MENU**

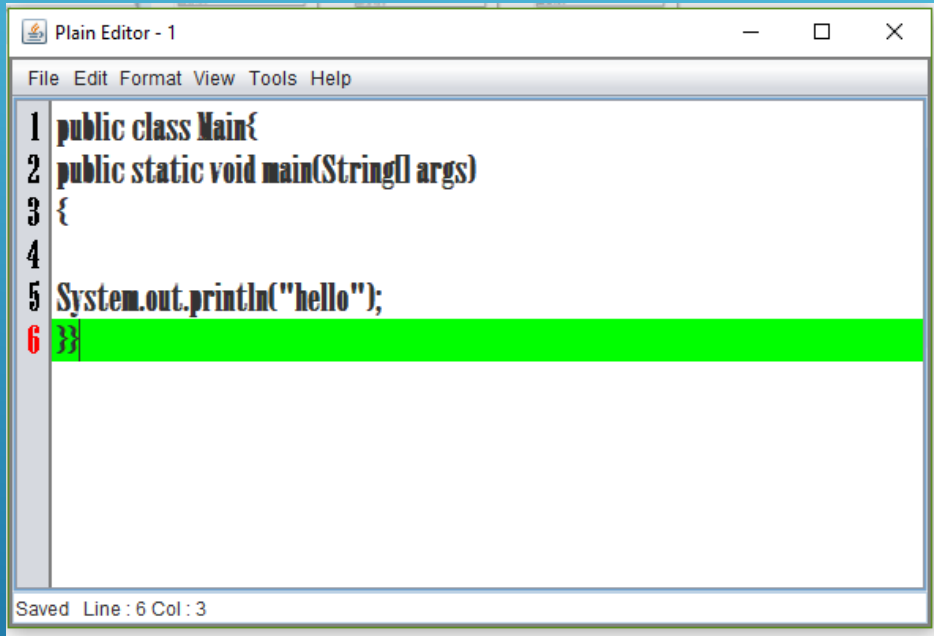
How JAVA works – this instance command – This is one of the interesting features of PE. This shows user the byte code of the given code . So user can have a better knowledge of how things happens inside JVM.

Execute command – This gives the user the power to execute his/her code . After execution is done , he/she can type “exit()” without the quotes and exit from there .

Recover files – We don't have closing warning , because we care about user and save user's file silently . So due any rusty situation like PC crash user doesn't have the chance to lose files.

PE WPM – This is feature to give user outline of his/her typing skill.

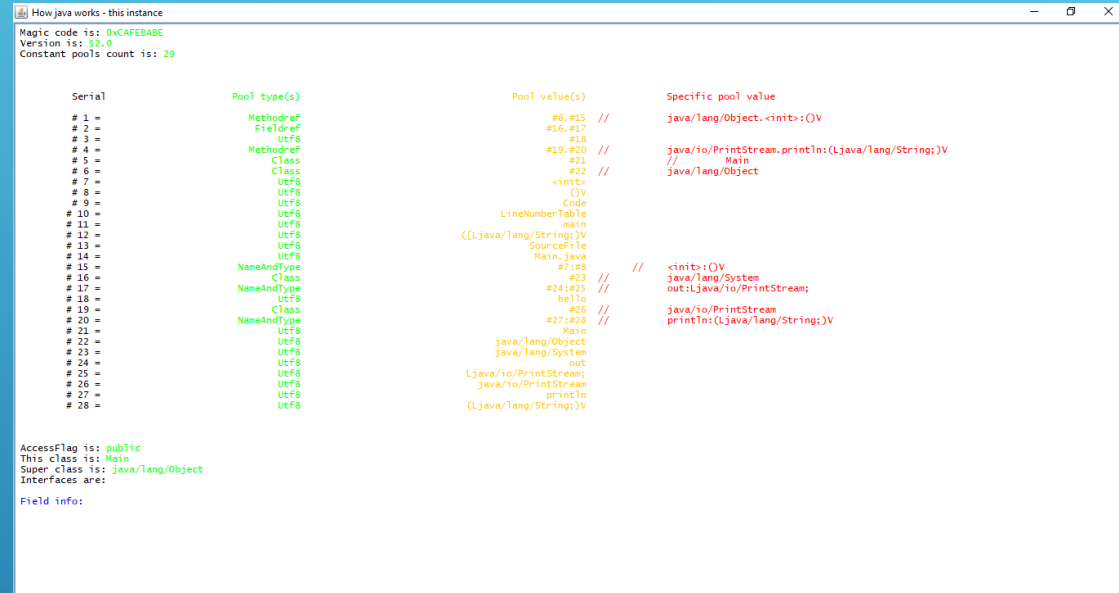
DETAILED FEATURES OF PLAIN EDITOR-TOOL MENU



The screenshot shows a window titled "Plain Editor - 1" with a menu bar (File, Edit, Format, View, Tools, Help). The code editor contains the following Java code:

```
1 public class Main{
2 public static void main(String[] args)
3 {
4
5 System.out.println("hello");
6 }
```

The line number 6 is highlighted in red. The status bar at the bottom indicates "Saved Line : 6 Col : 3".



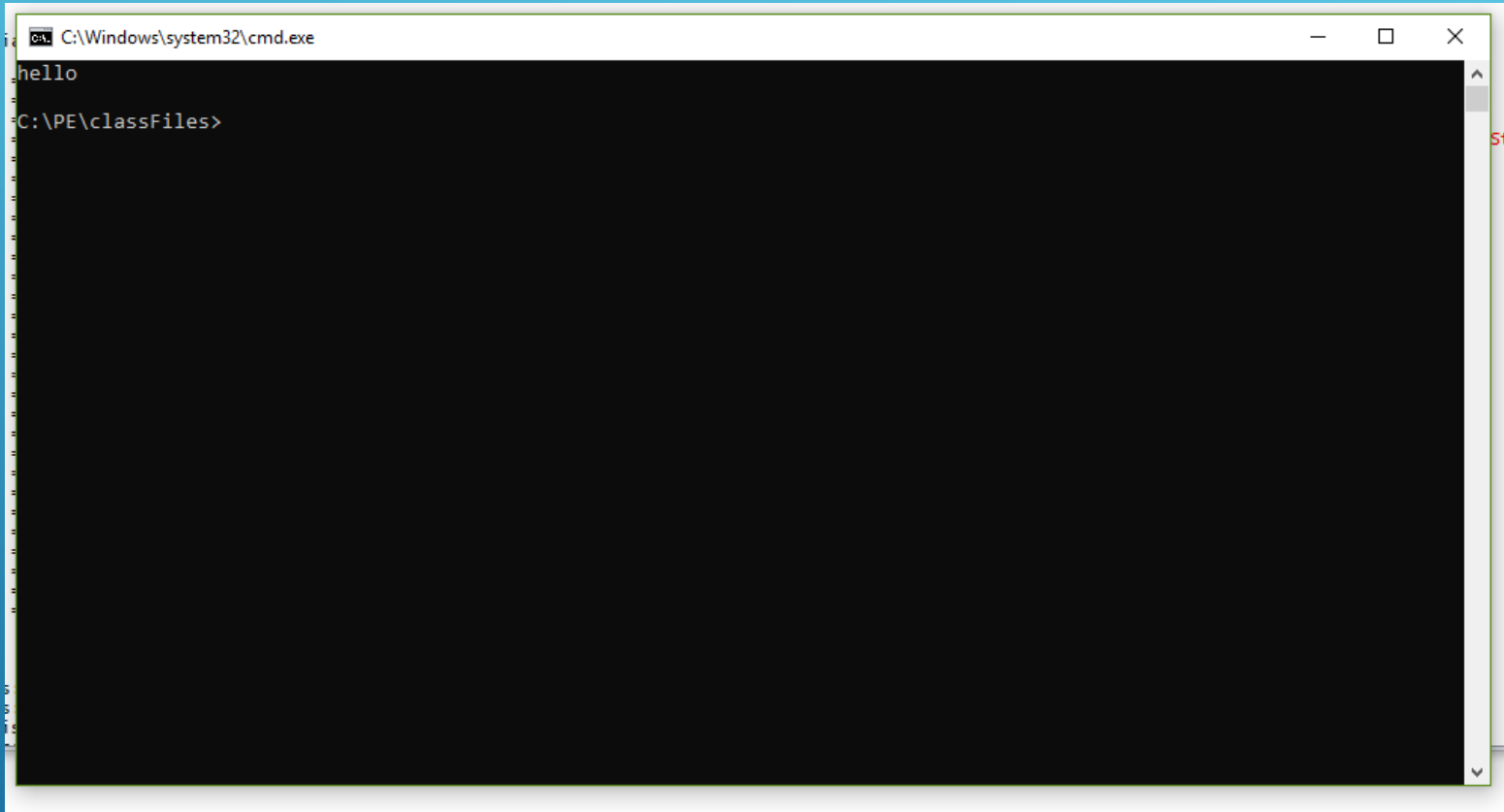
The screenshot shows a window titled "How java works - this instance" displaying JVM runtime details. It includes the following information:

- Magic code is: 0xCAFEBABE
- Version is: 52.0
- Constant pools count is: 29

Serial	Pool type(s)	Pool value(s)	Specific pool value
# 1 =	Methodref	#6, #15 //	java/lang/Object.<init>:OV
# 2 =	Fieldref	#16, #17 //	
# 3 =	UTF8	#18 //	
# 4 =	Methodref	#19, #20 //	java/io/PrintStream.println:(Ljava/lang/String;)V
# 5 =	Class	#21 //	// Main
# 6 =	Class	#22 //	java/lang/Object
# 7 =	UTF8	<init>	
# 8 =	UTF8	OV	
# 9 =	UTF8	Code	
# 10 =	UTF8	LineNumberTable	
# 11 =	UTF8	main	
# 12 =	UTF8	((Ljava/lang/String;)V	
# 13 =	UTF8	SourceFile	
# 14 =	UTF8	Main.java	
# 15 =	NameAndType	#7, #8 //	<init>:OV
# 16 =	Class	#23 //	java/lang/System
# 17 =	NameAndType	#24, #25 //	out:Ljava/io/PrintStream;
# 18 =	UTF8	hello	
# 19 =	Class	#26 //	java/io/PrintStream
# 20 =	NameAndType	#27, #28 //	println:(Ljava/lang/String;)V
# 21 =	UTF8	Main	
# 22 =	UTF8	java/lang/Object	
# 23 =	UTF8	java/lang/System	
# 24 =	UTF8	out	
# 25 =	UTF8	Ljava/io/PrintStream;	
# 26 =	UTF8	java/io/PrintStream	
# 27 =	UTF8	println	
# 28 =	UTF8	(Ljava/lang/String;)V	

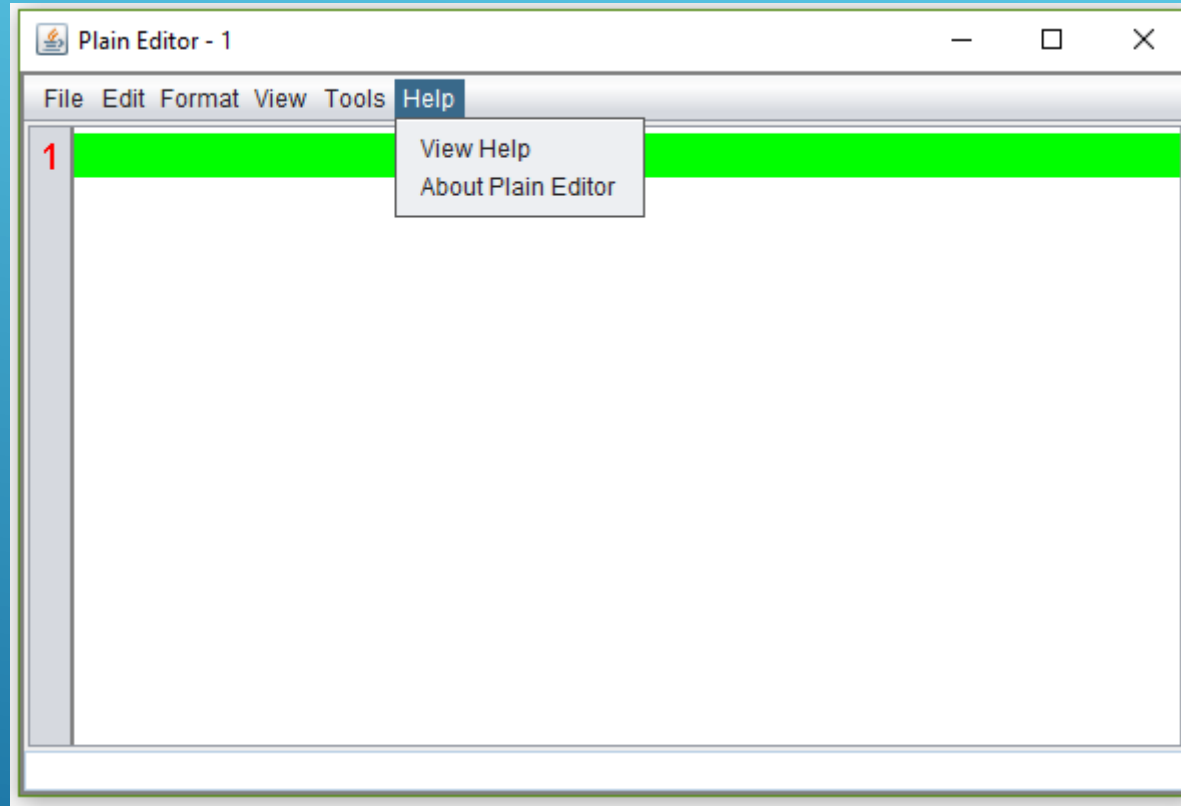
AccessFlag is: public
This class is: Main
Super class is: java/lang/Object
Interfaces are:
Field info:

DETAILED FEATURES OF PLAIN EDITOR-**TOOL MENU**



```
C:\Windows\system32\cmd.exe
hello
C:\PE\classFiles>
```

DETAILED FEATURES OF PLAIN EDITOR - **HELP MENU**



DETAILED FEATURES OF PLAIN EDITOR - **HELP MENU**


View Help command – This shows the shortcut keys and where specific command's are set .

About Plain editor command – This shows who we are .

Several white lines of varying lengths and slopes are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.

WHY PLAIN EDITOR

Although PE doesn't contains a few functions , PE is very lite , it is fast , easy to use , lesser almost near to zero crashing chance , why not Plain Editor ?

Three parallel white lines of varying lengths are positioned in the bottom right corner of the slide, slanted upwards from left to right.

QUESTIONS

