

#Aim : Study and installation of Weka AI tool.

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#Roll no : 21

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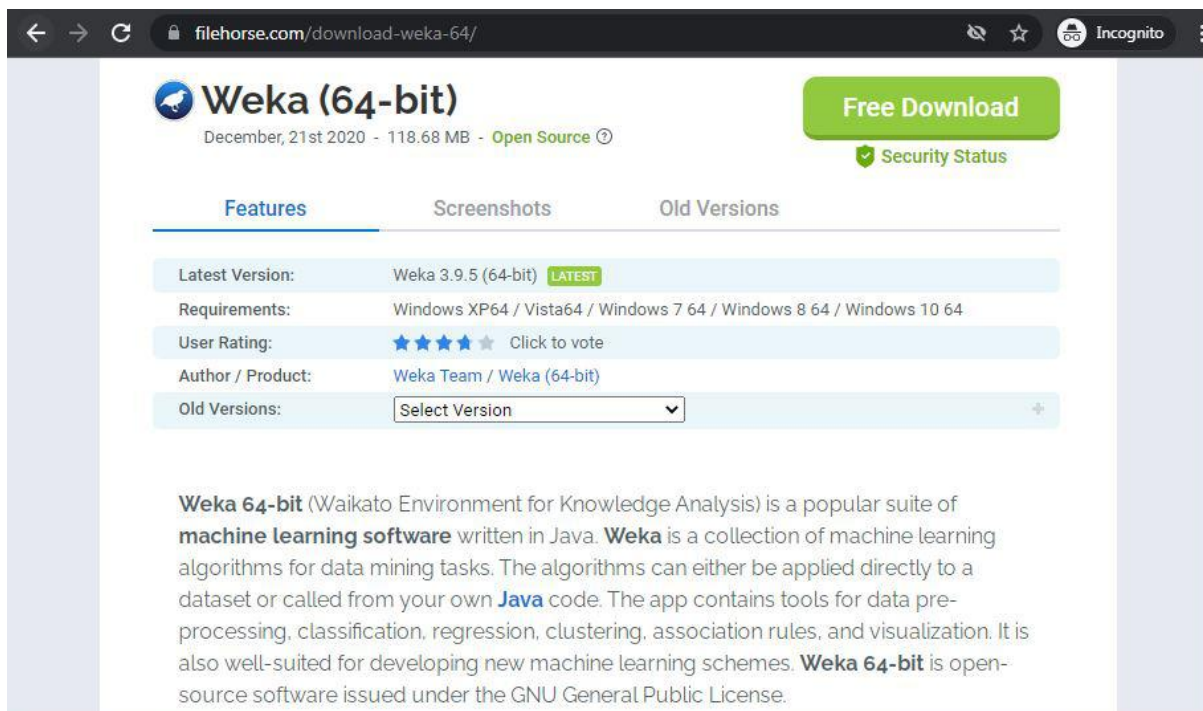
#Theory :

Weka stands for Waikato Environment for Knowledge Analysis, it is software that is used in the data science field for data mining. It is free software. It is written in Java hence it can be run on any system supporting Java, so weka can be run on different operating systems like Windows, Linux, Mac, etc. Weka provides a collection of visualization tools that can be used for data analysis, cleaning, and predictive modeling. Weka can perform a number of tasks like data preprocessing, clustering, classification, regression, visualization, and feature selection.

Installing Weka on Windows:

Follow the below steps to install Weka on Windows:

Step 1: Visit this [website](https://filehorse.com/download-weka-64/) using any web browser. Click on Free Download.

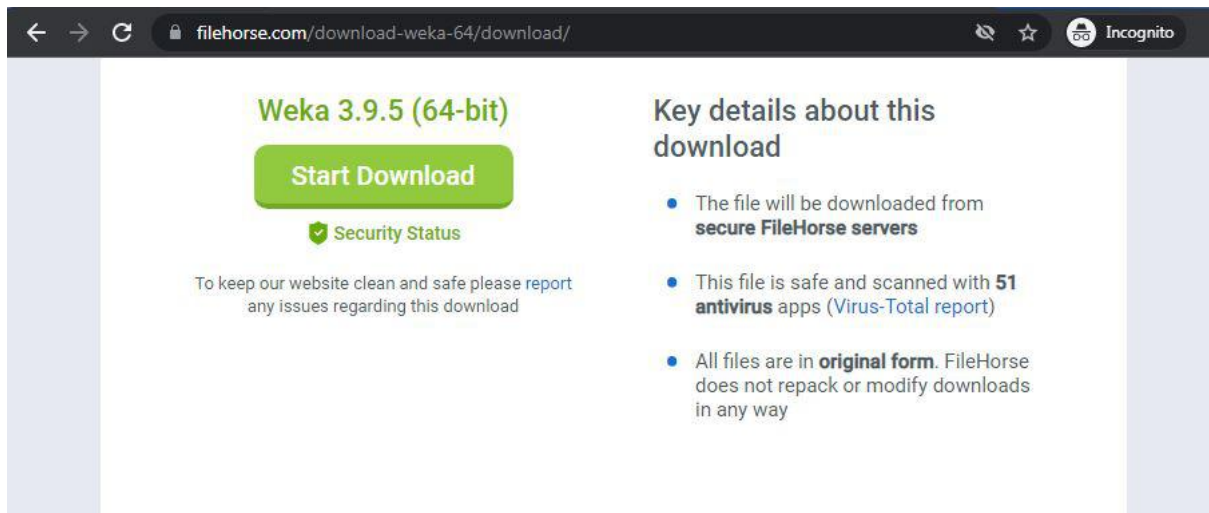


The screenshot shows a web browser window with the address bar displaying filehorse.com/download-weka-64/. The page content includes the Weka logo, the text "Weka (64-bit)", and a green "Free Download" button. Below this, there is a "Security Status" section with a green checkmark. A table with three tabs: "Features", "Screenshots", and "Old Versions". The "Features" tab is active, showing a table with the following information:

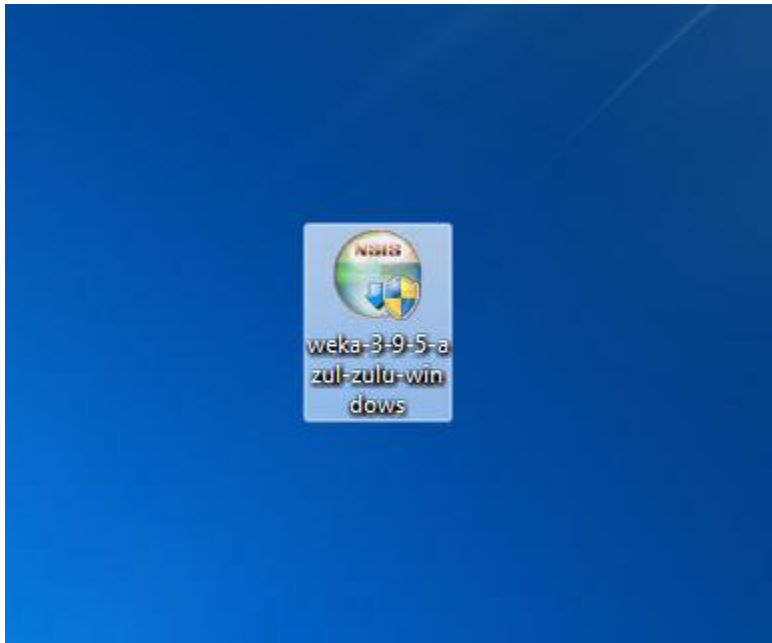
Feature	Value
Latest Version:	Weka 3.9.5 (64-bit) LATEST
Requirements:	Windows XP64 / Vista64 / Windows 7 64 / Windows 8 64 / Windows 10 64
User Rating:	★★★★★ Click to vote
Author / Product:	Weka Team / Weka (64-bit)
Old Versions:	Select Version

Below the table, there is a paragraph describing Weka 64-bit: "Weka 64-bit (Waikato Environment for Knowledge Analysis) is a popular suite of machine learning software written in Java. Weka is a collection of machine learning algorithms for data mining tasks. The algorithms can either be applied directly to a dataset or called from your own Java code. The app contains tools for data pre-processing, classification, regression, clustering, association rules, and visualization. It is also well-suited for developing new machine learning schemes. Weka 64-bit is open-source software issued under the GNU General Public License."

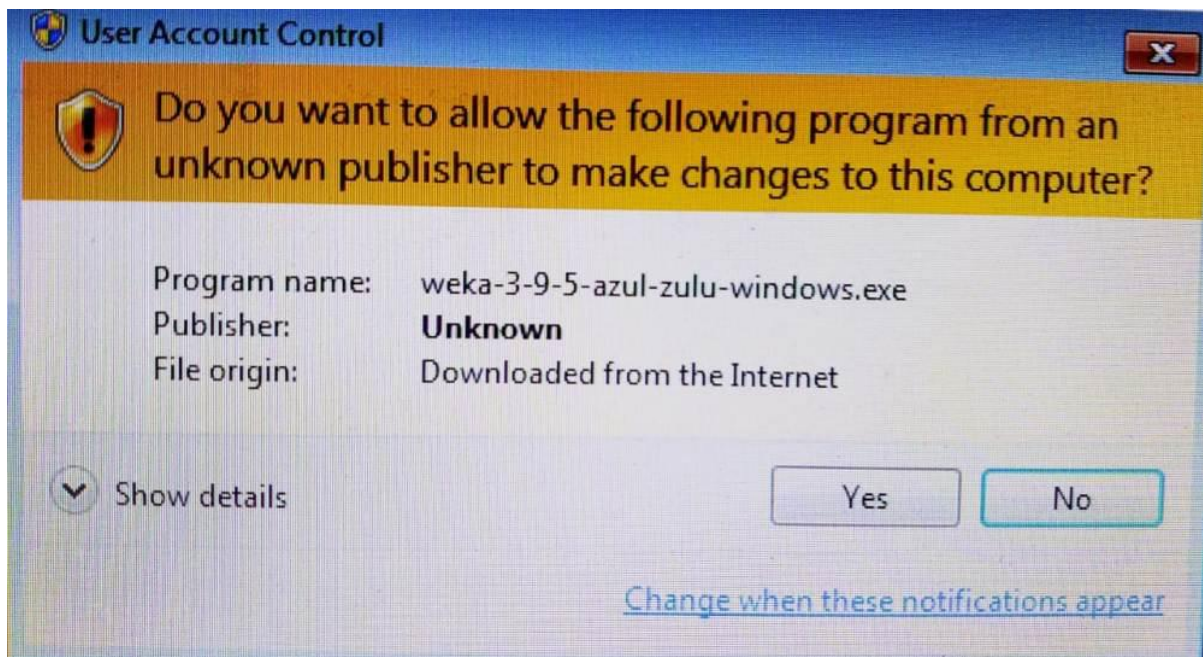
Step 2: It will redirect to a new webpage, click on Start Download. Downloading of the executable file will start shortly. It is a big 118 MB file that will take some minutes.



Step 3: Now check for the executable file in downloads in your system and run it.



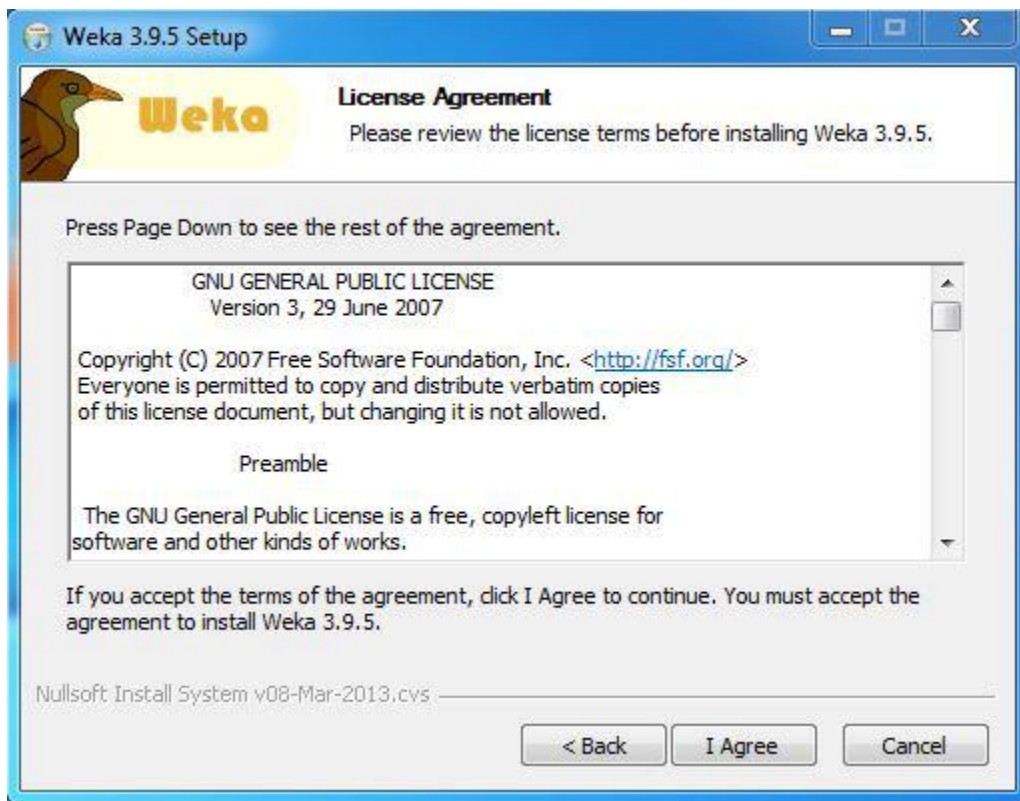
Step 4: It will prompt confirmation to make changes to your system. Click on Yes.



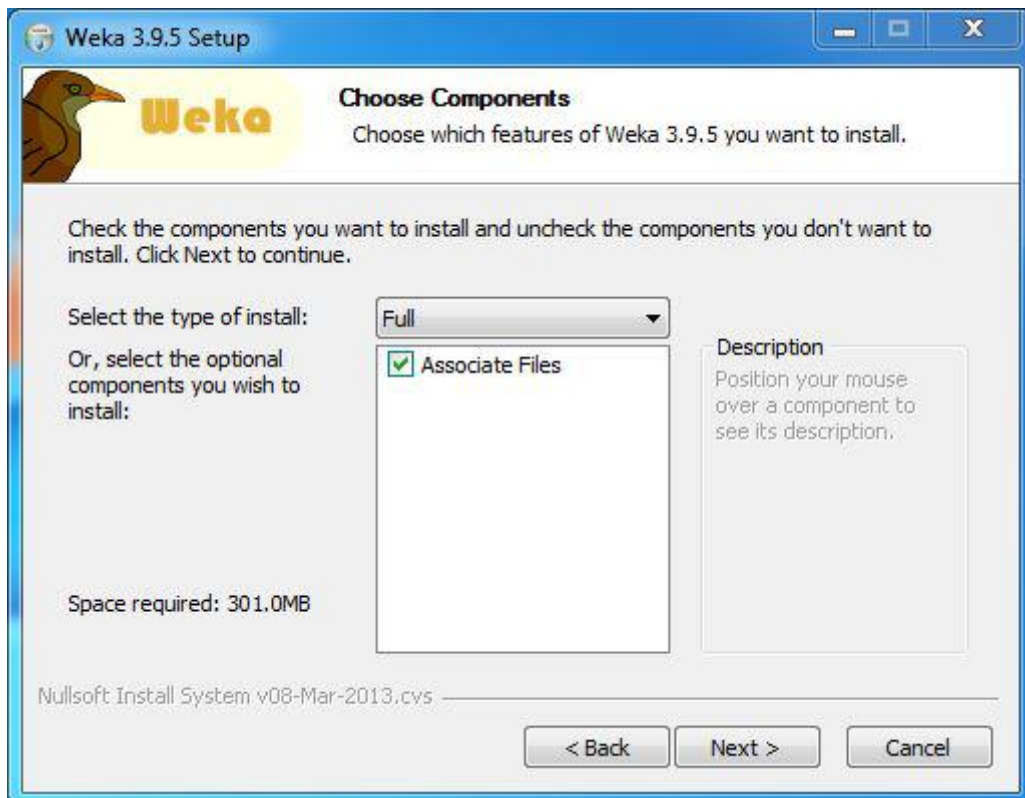
Step 5: Setup screen will appear, click on Next.



Step 6: The next screen will be of License Agreement, click on I Agree.



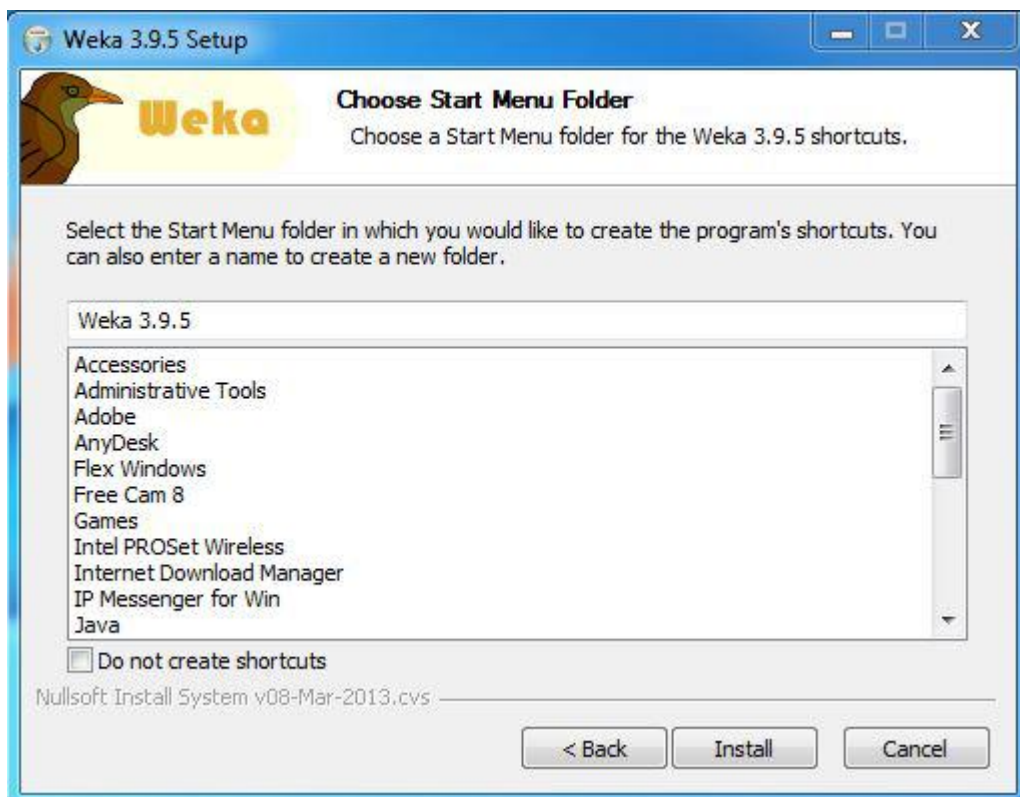
Step 7: Next screen is of choosing components, all components are already marked so don't change anything just click on the Install button.



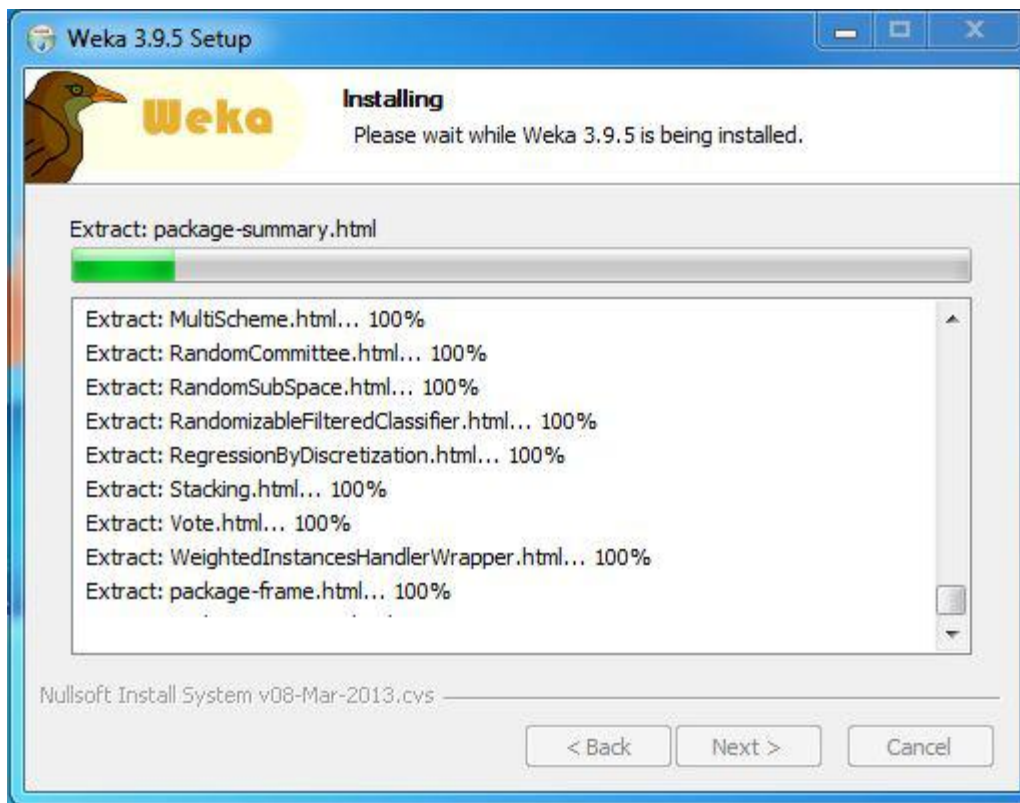
Step 8: The next screen will be of installing location so choose the drive which will have sufficient memory space for installation. It needed a memory space of 301 MB.



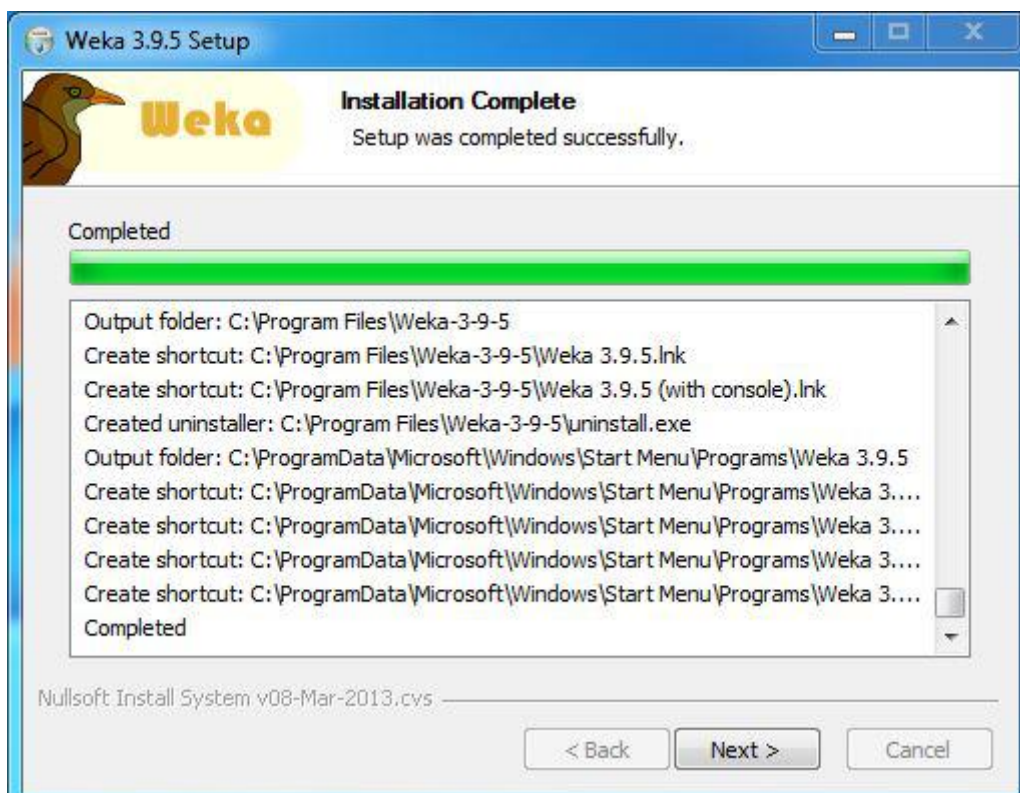
Step 9: Next screen will be of choosing the Start menu folder so don't do anything just click on Install Button.



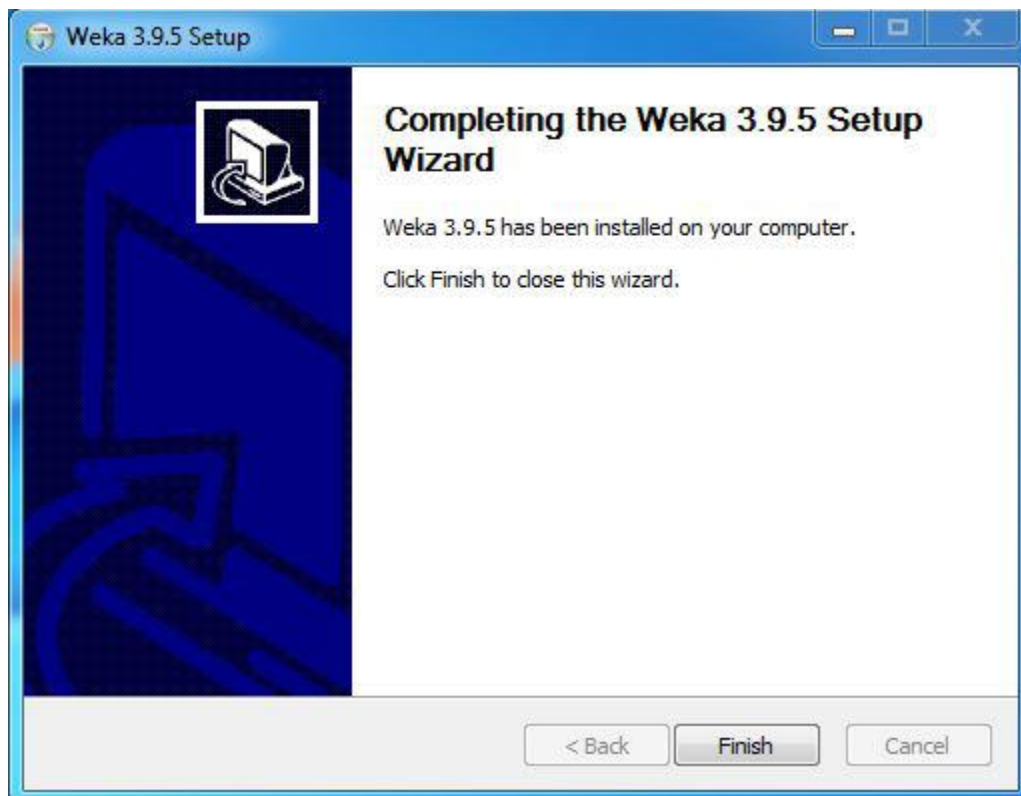
Step 10: After this installation process will start and will hardly take a minute to complete the installation.



Step 11: Click on the Next button after the installation process is complete.



Step 12: Click on Finish to finish the installation process.



Step 13: Weka is successfully installed on the system and an icon is created on the desktop.



Step 14: Run the software and see the interface.



Conclusion:

Congratulations!! At this point, we have successfully installed Weka on your windows system.