Documentation on "Hello world" Software

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Version : 1.0

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Software Description :

The software is designed to display a message either using the terminal or using an interface. Its primary function is to display the classic "Hello, world" message. The primary goal of the software is offering a straightforward way to run a java application by printing a simple message.

Requirements to use the Software :

Hardware requirements :

A computer with a keyboard to be able input commands, minimum of 1GB RAM , 500MB on hard drive disk .
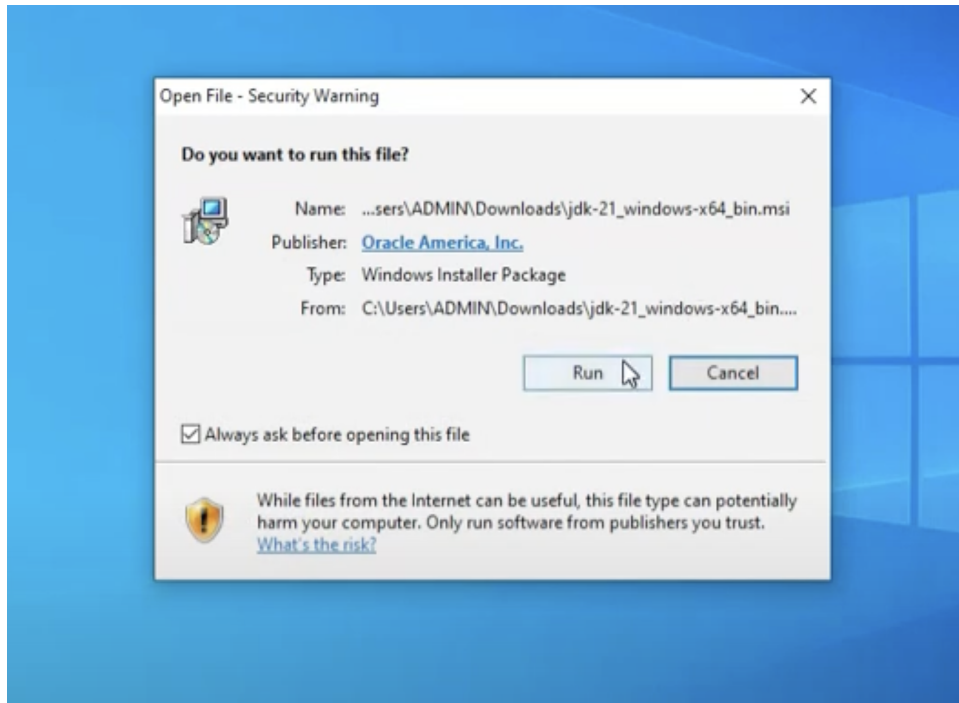
Installation requirements :

One of the operating systems Linux or Windows (10 or 11) , Java Development Environment (JDE) , Java Development Kit (JDK), Command line interface.

Installation Requirements:

Java on Windows :

 Use the link https://download.oracle.com/java/21/archive/jdk-21.0.2_windows-x64_bin.zip

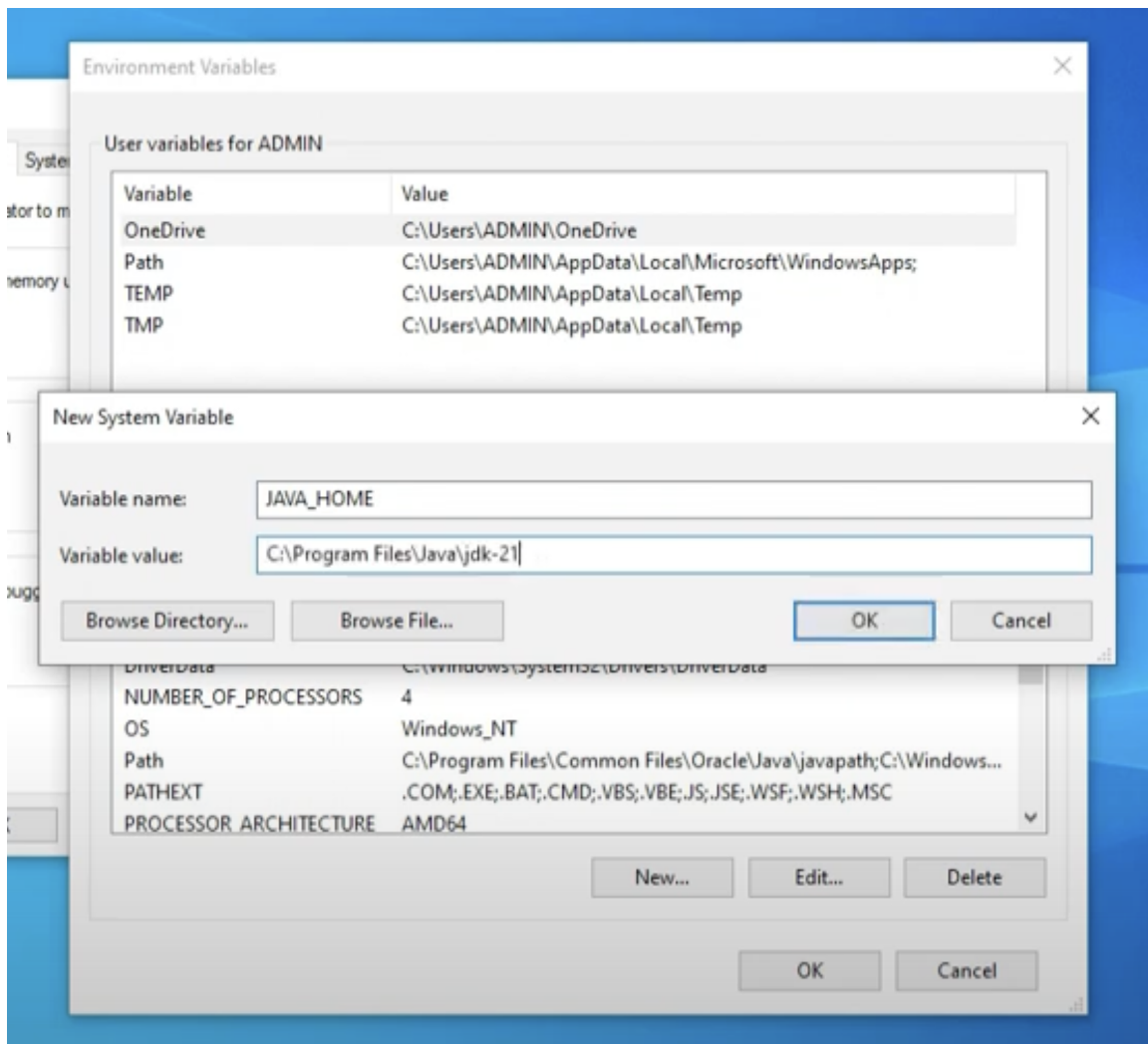After downloading the zip file , click it and you will get this interface :

Choose **Run → Next → Close.**

Select the **Start menu** (the Windows icon) on the taskbar, or press the **Windows key**. Then type environment and choose **Edit System Environment.**

Go to **Advanced → Environment Variables →** and select **New** and type as shown in the figure below :

Choose **OK ,** the JDK has been successfully installed on your computer.

Java on Linux :

Use the link: https://download.oracle.com/java/21/archive/jdk-21.0.2_linux-x64_bin.tar.gz

After downloading the zip file, you need to open the command line , you can check the next section on **how to use the command line interface** in case you are not familiar with it , then you need to type the following commands :

```
cd ~/Downloads

tar -xvzf jdk-<version>-linux-x64.tar.gz
```
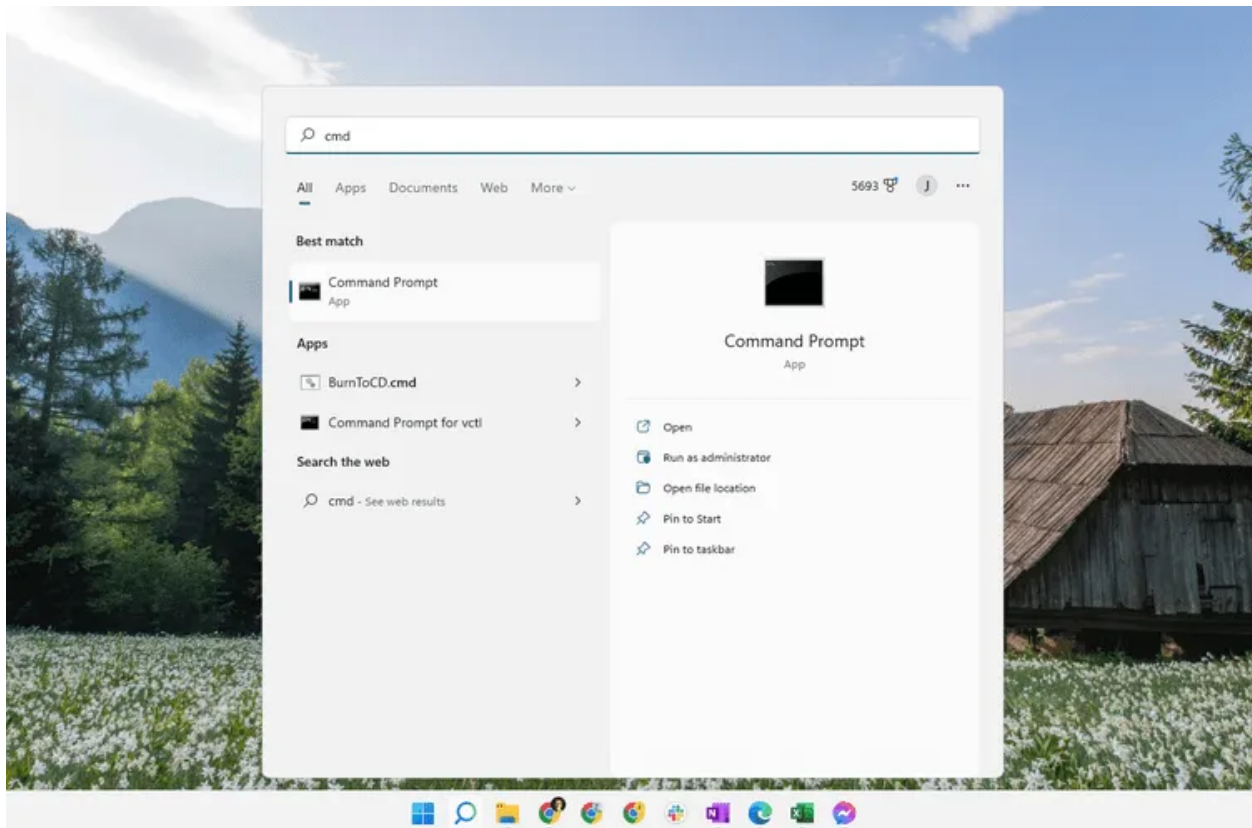
```
sudo mv jdk-<version> /usr/local/

echo "export JAVA_HOME=/usr/local/jdk-<version>" >> ~/.bashrc
echo "export PATH=\$JAVA_HOME/bin:\$PATH" >> ~/.bashrc
source ~/.bashrc
```

How to use the command line interface :

On Windows :

1. Select the
Start menu (the Windows icon) on the taskbar, or press the **Windows key**.
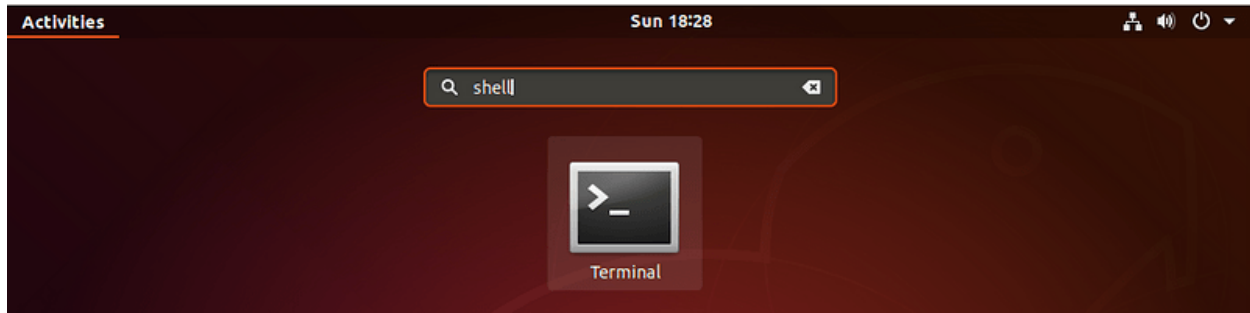2. Type
cmd.

3.Select **Command Prompt** from the list.

On Linux :

1. click the **Activities** item at the top left of the screen

2. the first few letters of "terminal", "command", "prompt" or "shell"

The terminal may usually be located on the same place as the other applications

Getting started with the Software :

After opening the command line first you need to check that the java has been successfully installed , type **java —version** on the command line and you will get this :

```
C:\Users\ADMIN>java --version
java 21.0.2 2024-01-16 LTS
Java(TM) SE Runtime Environment (build 21.0.2+13-LTS-58)
Java HotSpot(TM) 64-Bit Server VM (build 21.0.2+13-LTS-58, mixed mode, sharing)
```

Using the command Line :

you will be typing some sentences (commands) to use(run) the software :

On windows :

Use the cd command to navigate to where the software file is located , and replace **C:\path\to\your\jar** with the path of your file :

```
cd C:\path\to\your\exe
```

Use the following command to run the File, replace Yourfile with the file name :

```
java -jar Yourfile.exe
```

On linux :

Use the cd command to navigate to where the software file is located , and replace **C:\path\to\your\jar** with the path of your file :

```
cd C:\path\to\your\exe
```

Use the following command to run the File, replace Yourfile with the file name :

```
java -jar Yourfile.exe
```

Using the Interface :

After clicking the interface file , you will directly get an interface that will display the hello world message without needing to use the command line.

Contact Our team

you can contact the developer team for any information via email : **bankers@gmail.com**