

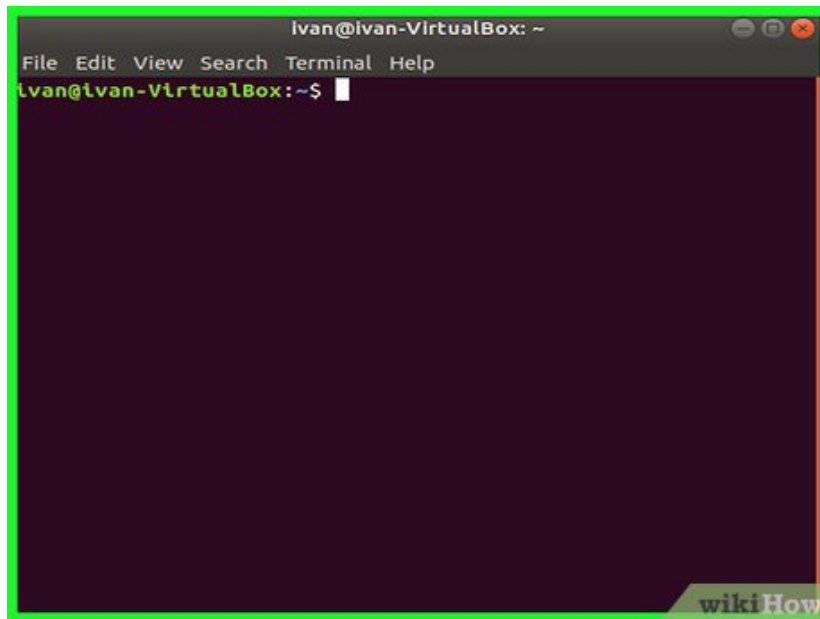
How to Install JDK in Linux

This wikiHow teaches you how to install the latest version of JDK (Java 12) on Debian, Ubuntu, and Linux Mint using the Linux Rising PPA repository. Press to open a new terminal window. If you're already at the command prompt, just skip to...

Method 1 of 2:

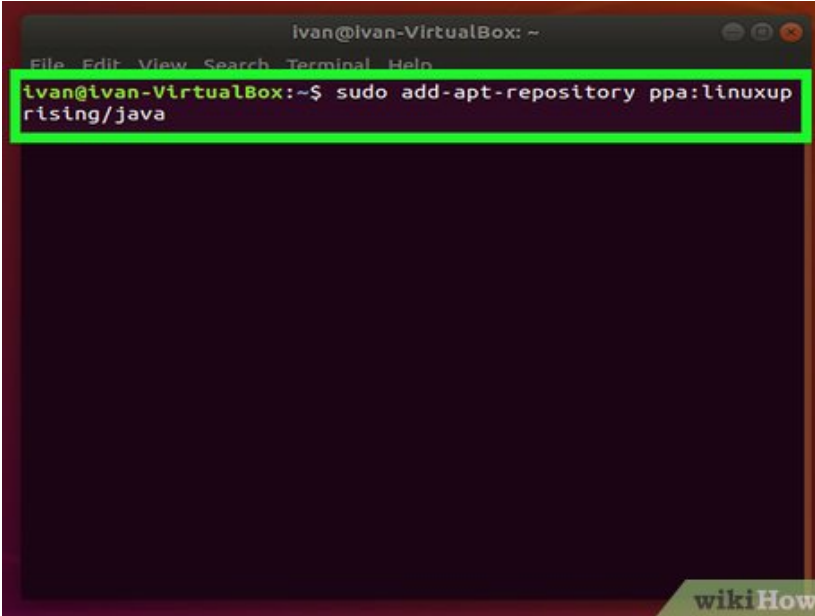
Using Ubuntu or Linux Mint

1.



Press **Ctrl + Alt + T** to open a new terminal window. If you're already at the command prompt, just skip to the next step.

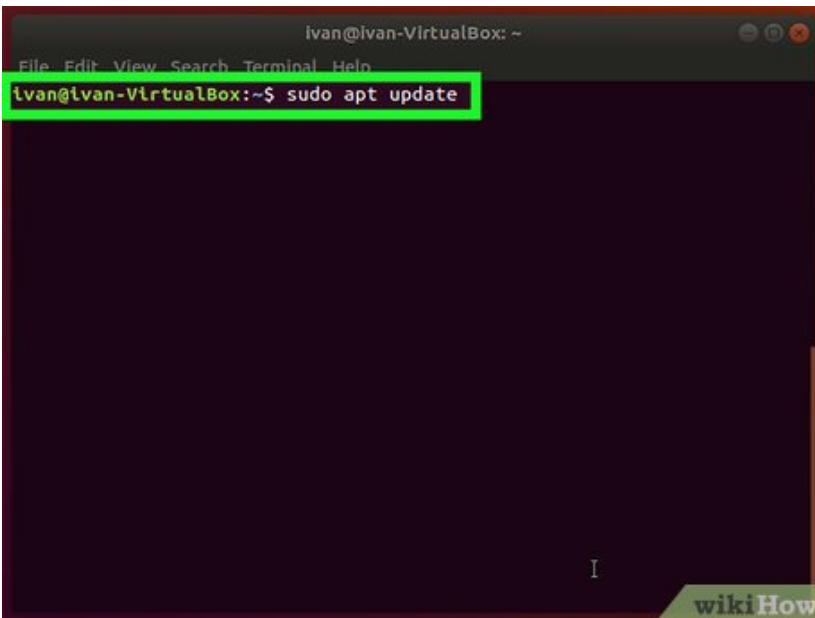
2.

A terminal window titled 'ivan@ivan-VirtualBox: ~' with a menu bar 'File Edit View Search Terminal Help'. The command 'ivan@ivan-VirtualBox:~\$ sudo add-apt-repository ppa:linuxuprising/java' is entered and highlighted with a green box. A 'wikiHow' logo is in the bottom right corner.

```
ivan@ivan-VirtualBox: ~  
File Edit View Search Terminal Help  
ivan@ivan-VirtualBox:~$ sudo add-apt-repository ppa:linuxuprising/java
```

Type `sudo add-apt-repository ppa:linuxuprising/java` and press `? Enter`. This adds the Linux Uprising repository.^[1]

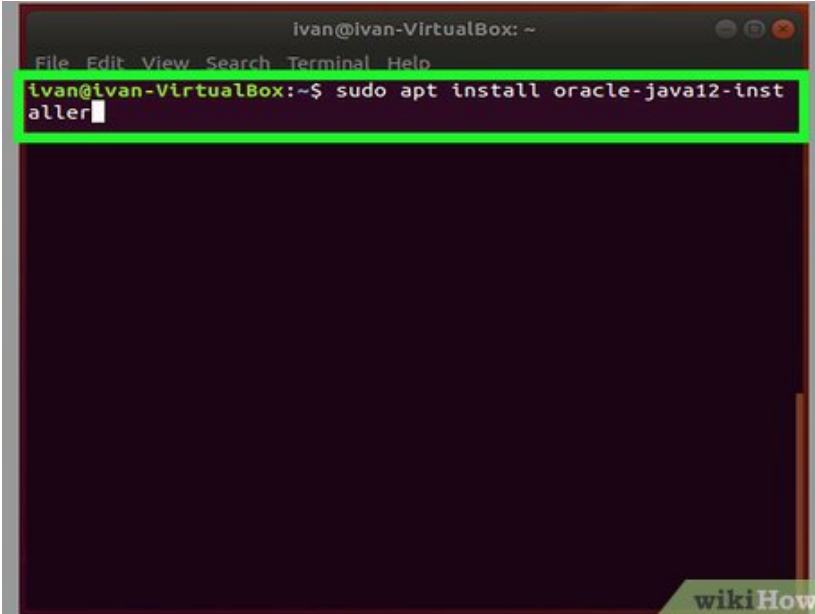
3.

A terminal window titled 'ivan@ivan-VirtualBox: ~' with a menu bar 'File Edit View Search Terminal Help'. The command 'ivan@ivan-VirtualBox:~\$ sudo apt update' is entered and highlighted with a green box. A 'wikiHow' logo is in the bottom right corner.

```
ivan@ivan-VirtualBox: ~  
File Edit View Search Terminal Help  
ivan@ivan-VirtualBox:~$ sudo apt update
```

Type `sudo apt update` and press `? Enter`. Now that the repository is ready, you can use it to install JDK.

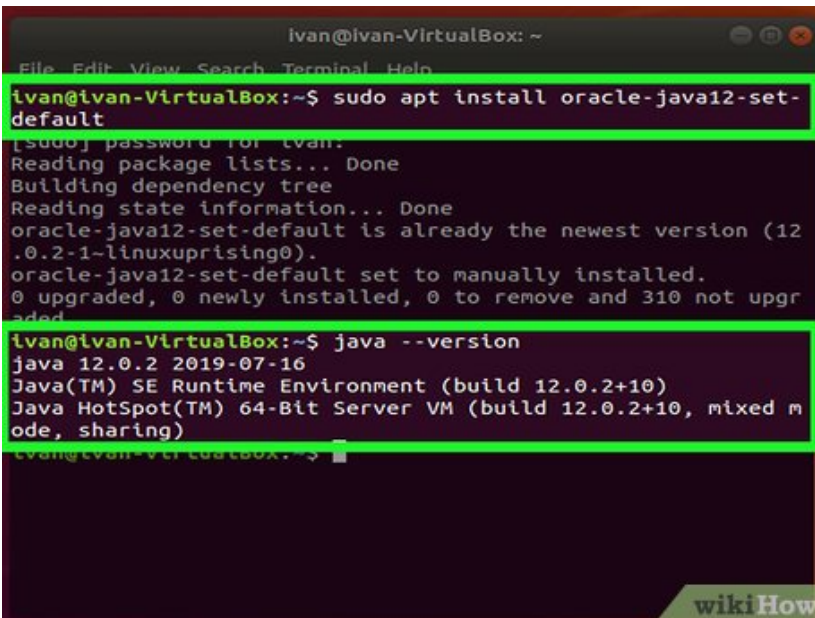
4.

A terminal window titled 'ivan@ivan-VirtualBox: ~' with a menu bar 'File Edit View Search Terminal Help'. The command 'ivan@ivan-VirtualBox:~\$ sudo apt install oracle-java12-installer' is entered and highlighted with a green box. The rest of the terminal is empty. A 'wikiHow' logo is in the bottom right corner.

```
ivan@ivan-VirtualBox: ~
File Edit View Search Terminal Help
ivan@ivan-VirtualBox:~$ sudo apt install oracle-java12-installer
```

Type `sudo apt install oracle-java12-installer` and press `?Enter`. JDK is now installed.

5.

A terminal window titled 'ivan@ivan-VirtualBox: ~' with a menu bar 'File Edit View Search Terminal Help'. The command 'ivan@ivan-VirtualBox:~\$ sudo apt install oracle-java12-set-default' is entered and highlighted with a green box. The terminal output shows the package is already installed. Below, the command 'ivan@ivan-VirtualBox:~\$ java --version' is entered and highlighted with a green box. The output shows 'java 12.0.2 2019-07-16' and other details. A 'wikiHow' logo is in the bottom right corner.

```
ivan@ivan-VirtualBox: ~
File Edit View Search Terminal Help
ivan@ivan-VirtualBox:~$ sudo apt install oracle-java12-set-default
[sudo] password for ivan:
Reading package lists... Done
Building dependency tree
Reading state information... Done
oracle-java12-set-default is already the newest version (12.0.2-1-linuxuprising0).
oracle-java12-set-default set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 310 not upgraded.
ivan@ivan-VirtualBox:~$ java --version
java 12.0.2 2019-07-16
Java(TM) SE Runtime Environment (build 12.0.2+10)
Java HotSpot(TM) 64-Bit Server VM (build 12.0.2+10, mixed mode, sharing)
```

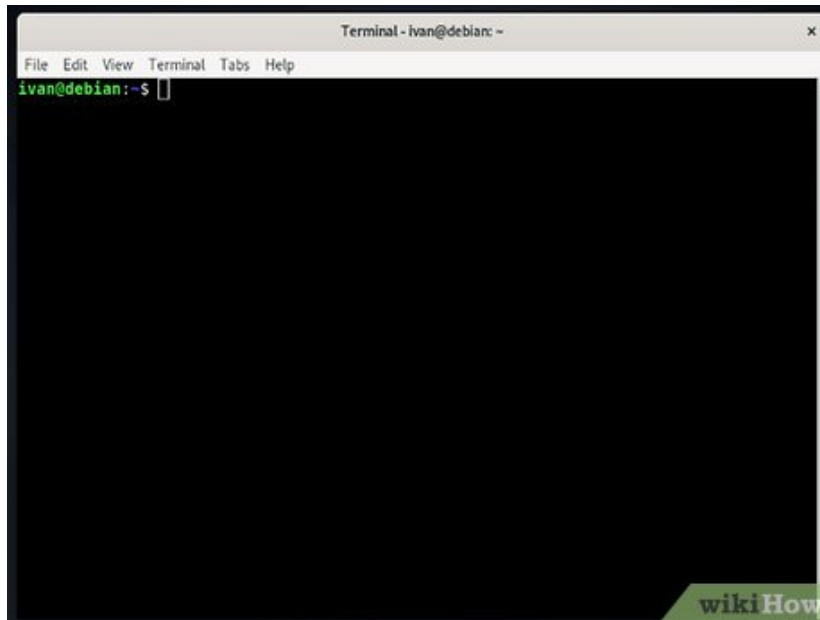
Type `sudo apt install oracle-java12-set-default` and press `?Enter`. This sets Java 12 as the default Java version.

1. To double-check the default version, type `java --version` at the command prompt and press `?Enter`.

Method 2 of 2:

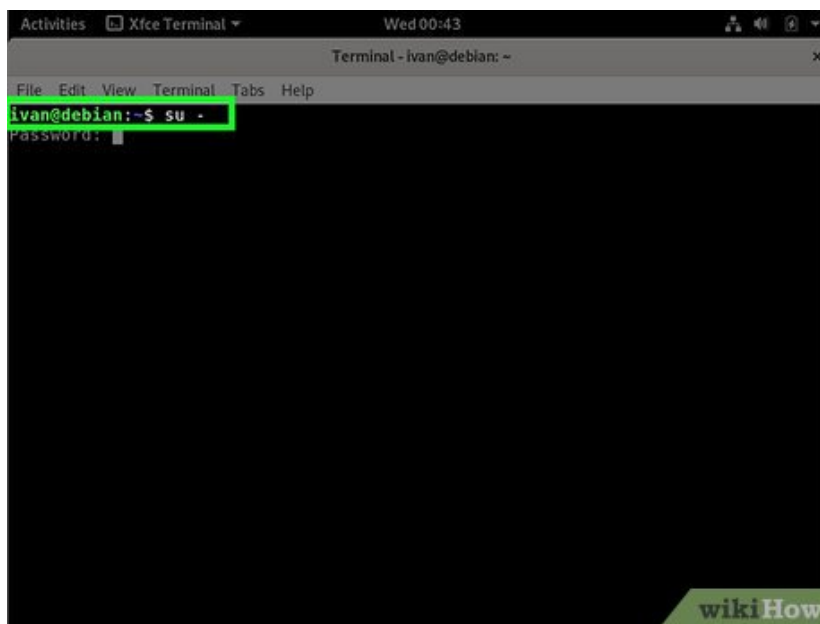
Using Debian

1.



Press **Ctrl + Alt + T** to open a new terminal window. If you're already at the command prompt, just skip to the next step.

2.



Type **su -** and press **Enter**.

```
Activities Xfce Terminal Wed 01:06
Terminal - ivan@debian: -
File Edit View Terminal Tabs Help
ivan@debian:~$ su -
Password:
Psu: Authentication failure
ivan@debian:~$ su -
Password:
root@debian:~# echo "deb http://ppa.launchpad.net/linuxuprising/java/ubuntu bionic main"
root@debian:~# apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys 73C3DB2A
Executing: /tmp/apt-key-gpghome.tNzwa9iGu/gpg.1.sh --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys 73C3DB2A
gpg: key EA8CACC073C3DB2A: public key "Launchpad PPA for Linux Uprising" imported
gpg: Total number processed: 1
gpg: imported: 1
root@debian:~#
```

3.

Add the Linux Uprising repository. Here's how:

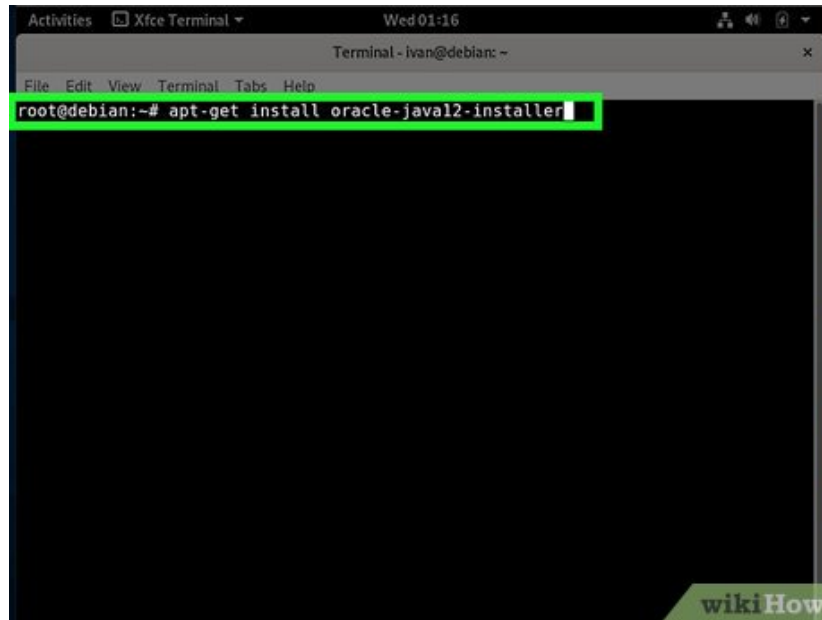
1. Type `echo "deb http://ppa.launchpad.net/linuxuprising/java/ubuntu bionic main"` and press `?Enter`.
2. Type `apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys 73C3DB2A` and press `?Enter`.

```
Activities Xfce Terminal Wed 01:12
Terminal - ivan@debian: -
File Edit View Terminal Tabs Help
onic main"
deb http://ppa.launchpad.net/linuxuprising/java/ubuntu bionic main
root@debian:~# apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys 73C3DB2A
Executing: /tmp/apt-key-gpghome.tNzwa9iGu/gpg.1.sh --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys 73C3DB2A
gpg: key EA8CACC073C3DB2A: public key "Launchpad PPA for Linux Uprising" imported
gpg: Total number processed: 1
gpg: imported: 1
root@debian:~# apt-get update
Ign:1 cdrom://[Debian GNU/Linux 10.0.0_Buster_ - Official amd64 DVD Binary-1 20190706-10:24] buster InRelease
Err:2 cdrom://[Debian GNU/Linux 10.0.0_Buster_ - Official amd64 DVD Binary-1 20190706-10:24] buster Release
Please use apt-cdrom to make this CD-ROM recognized by APT. apt-get update cannot be used to add new CD-ROMs
Hit:3 http://security.debian.org/debian-security buster/updates InRelease
Reading package lists... Done
E: The repository 'cdrom://[Debian GNU/Linux 10.0.0_Buster_ - Official amd64 DVD Binary-1 20190706-10:24] buster Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
root@debian:~#
```

4.

Type `apt-get update` and press `?Enter`.

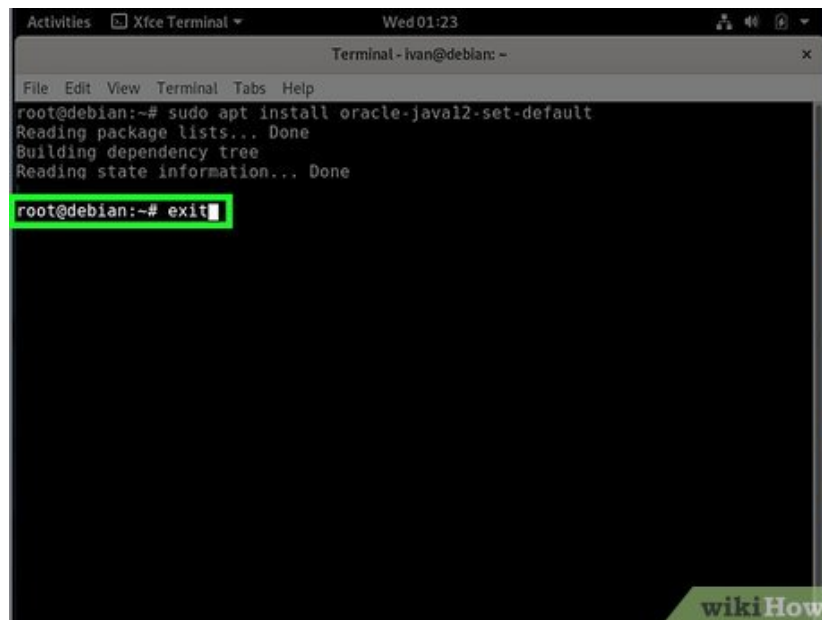
5.

A screenshot of an Xfce Terminal window titled 'Terminal - ivan@debian: ~'. The terminal shows the command 'apt-get install oracle-java12-installer' entered at the prompt 'root@debian:~#'. The command is highlighted with a green box. The terminal window has a menu bar with 'File', 'Edit', 'View', 'Terminal', 'Tabs', and 'Help'. The system clock shows 'Wed 01:16'. A 'wikiHow' logo is visible in the bottom right corner of the terminal window.

```
root@debian:~# apt-get install oracle-java12-installer
```

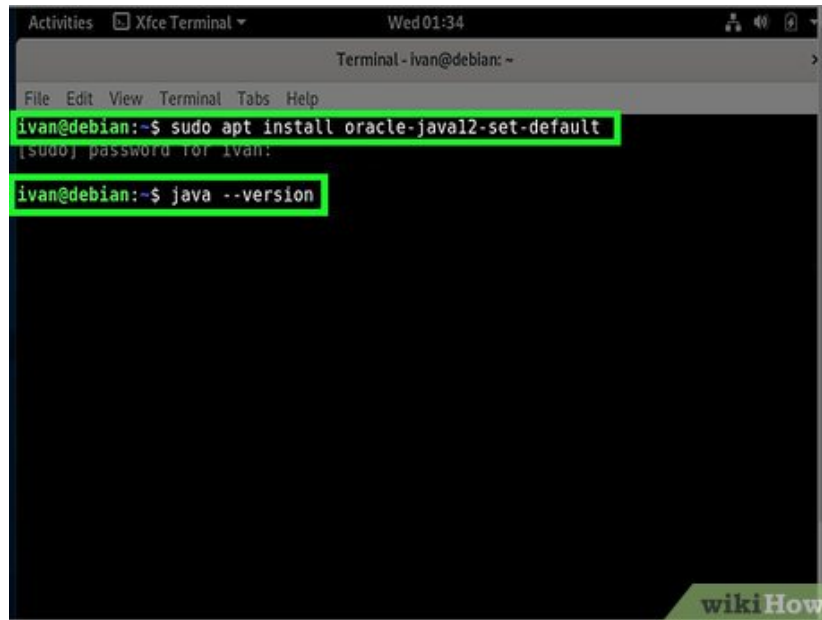
Type `apt-get install oracle-java12-installer` and press `? Enter`.

6.

A screenshot of an Xfce Terminal window titled 'Terminal - ivan@debian: ~'. The terminal shows the command 'sudo apt install oracle-java12-set-default' being executed. The output is: 'Reading package lists... Done', 'Building dependency tree', and 'Reading state information... Done'. The prompt then changes to 'root@debian:~#'. The command 'exit' is entered at the prompt and is highlighted with a green box. The terminal window has a menu bar with 'File', 'Edit', 'View', 'Terminal', 'Tabs', and 'Help'. The system clock shows 'Wed 01:23'. A 'wikiHow' logo is visible in the bottom right corner of the terminal window.

```
root@debian:~# sudo apt install oracle-java12-set-default
Reading package lists... Done
Building dependency tree
Reading state information... Done
root@debian:~# exit
```

Type `exit` and press `? Enter`. JDK is now installed.



```
Activities Xfce Terminal Wed 01:34
Terminal - ivan@debian: ~
File Edit View Terminal Tabs Help
ivan@debian:~$ sudo apt install oracle-java12-set-default
[sudo] password for ivan:
ivan@debian:~$ java --version
```

7.

wikiHow

Type `sudo apt install oracle-java12-set-default` and press `?Enter`. This sets Java 12 as the default Java version.

1. To double-check the default version, type `java --version` at the command prompt and press `?Enter`.

You finished reading the article "**How to Install JDK in Linux**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.