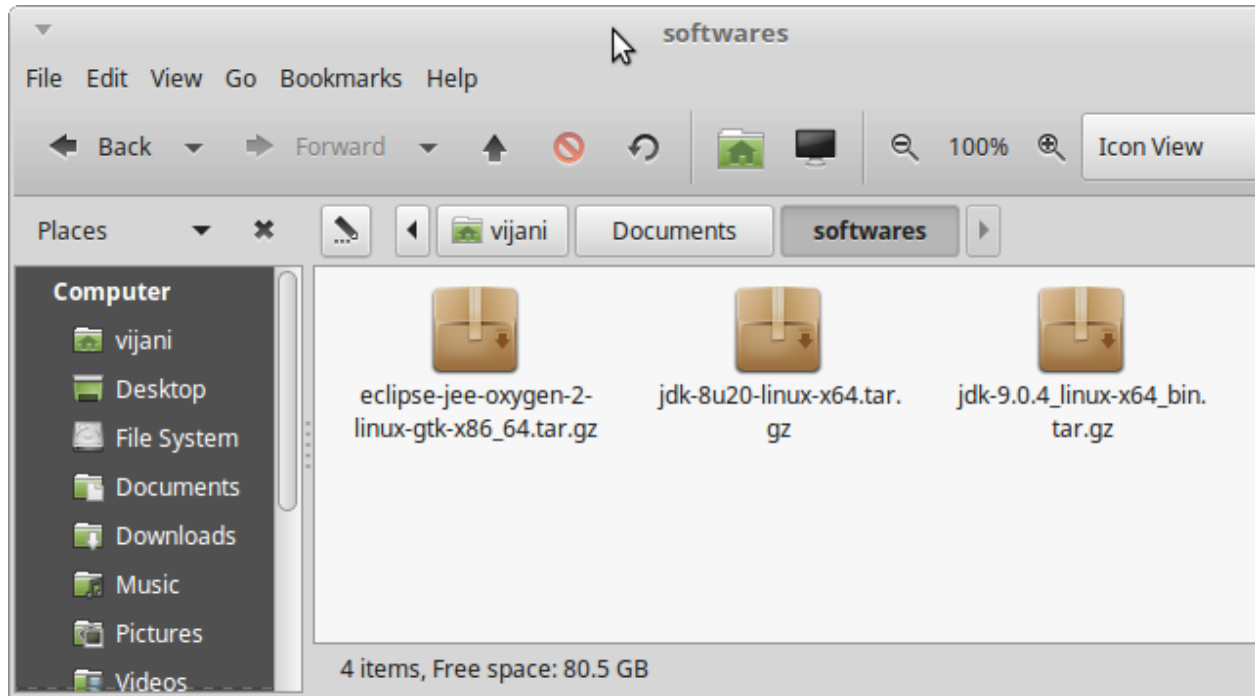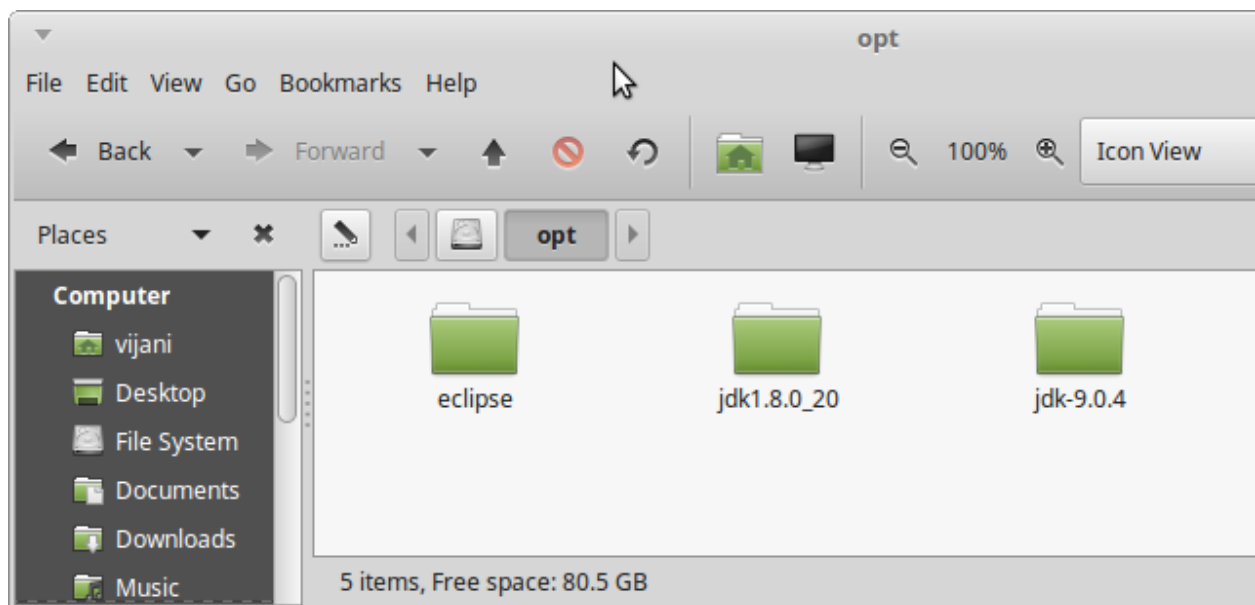# How to install java on linux

Downloaded files:

Extract into opt folder:

Open terminal and type the commands:

```
                               vijani@vijani-Aspire-5750 ~

File  Edit  View  Search  Terminal  Help
vijani@vijani-Aspire-5750 ~ $ history
    1  sudo chmod a+rw /opt
    2  sudo update-alternatives --install /usr/bin/java java /opt/jdk-9.0.4/bin/java 0
    3  java
    4  java -version
    5  sudo update-alternatives --install /usr/bin/javac javac /opt/jdk-9.0.4/bin/javac 0
    6  sudo update-alternatives --install /usr/bin/javaw javaw /opt/jdk-9.0.4/bin/javaw 0
    7  sudo update-alternatives --install /usr/bin/javah javah /opt/jdk-9.0.4/bin/javah 0
    8  sudo update-alternatives --install /usr/bin/javadoc javadoc /opt/jdk-9.0.4/bin/javadoc 0
    9  sudo update-alternatives --install /usr/bin/wsgen wsgen /opt/jdk-9.0.4/bin/wsgen 0
   10  sudo update-alternatives --install /usr/bin/wsimport wsimport /opt/jdk-9.0.4/bin/wsimport 0
```

How to change the default java version on linux:

```
                               vijani@vijani-Aspire-5750 ~

File  Edit  View  Search  Terminal  Help
vijani@vijani-Aspire-5750 ~ $
vijani@vijani-Aspire-5750 ~ $
vijani@vijani-Aspire-5750 ~ $ java -version
java version "9.0.4"
Java(TM) SE Runtime Environment (build 9.0.4+11)
Java HotSpot(TM) 64-Bit Server VM (build 9.0.4+11, mixed mode)
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --config java
There are 2 choices for the alternative java (providing /usr/bin/java).

  Selection    Path                       Priority   Status
------------------------------------------------------------
* 0            /opt/jdk-9.0.4/bin/java     0          auto mode
  1            /opt/jdk-9.0.4/bin/java     0          manual mode
  2            /opt/jdk1.8.0_20/bin/java   0          manual mode

Press <enter> to keep the current choice[*], or type selection number: 2
update-alternatives: using /opt/jdk1.8.0_20/bin/java to provide /usr/bin/java (java) in manual mode
vijani@vijani-Aspire-5750 ~ $ java -version
java version "1.8.0_20"
Java(TM) SE Runtime Environment (build 1.8.0_20-b26)
Java HotSpot(TM) 64-Bit Server VM (build 25.20-b23, mixed mode)
```

How to change the default javac version on linux:

```
                               vijani@vijani-Aspire-5750 ~

File  Edit  View  Search  Terminal  Help
vijani@vijani-Aspire-5750 ~ $ javac -version
javac 9.0.4
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --config javac
There is only one alternative in link group javac (providing /usr/bin/javac): /opt/jdk-9.0.4/bin/javac
Nothing to configure.
vijani@vijani-Aspire-5750 ~ $ javac -version
javac 9.0.4
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --install /usr/bin/javac javac /opt/jdk1.8.0_20/bin/javac 0

vijani@vijani-Aspire-5750 ~ $ javac -version
javac 9.0.4
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --config javac
There are 2 choices for the alternative javac (providing /usr/bin/javac).

  Selection    Path                        Priority   Status
------------------------------------------------------------
* 0            /opt/jdk-9.0.4/bin/javac     0          auto mode
  1            /opt/jdk-9.0.4/bin/javac     0          manual mode
  2            /opt/jdk1.8.0_20/bin/javac   0          manual mode

Press <enter> to keep the current choice[*], or type selection number: 2
update-alternatives: using /opt/jdk1.8.0_20/bin/javac to provide /usr/bin/javac (javac) in manual mode
vijani@vijani-Aspire-5750 ~ $ javac -version
javac 1.8.0_20
```

```
                                vijani@vijani-Aspire-5750 ~                        _  +  x
File  Edit  View  Search  Terminal  Help
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --install /usr/bin/javah javah /opt/jdk1.8.0_20/bin/javah 0
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --config javah
There are 2 choices for the alternative javah (providing /usr/bin/javah).

  Selection    Path                      Priority   Status
------------------------------------------------------------
* 0            /opt/jdk-9.0.4/bin/javah     0         auto mode
  1            /opt/jdk-9.0.4/bin/javah     0         manual mode
  2            /opt/jdk1.8.0_20/bin/javah   0         manual mode

Press <enter> to keep the current choice[*], or type selection number: 2
update-alternatives: using /opt/jdk1.8.0_20/bin/javah to provide /usr/bin/javah (javah) in manual mode
```

```
                                vijani@vijani-Aspire-5750 ~                        _  +  x
File  Edit  View  Search  Terminal  Help
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --install /usr/bin/javadoc javadoc /opt/jdk1.8.0_20/bin/javadoc 0
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --config javadoc
There are 2 choices for the alternative javadoc (providing /usr/bin/javadoc).

  Selection    Path                        Priority   Status
--------------------------------------------------------------
* 0            /opt/jdk-9.0.4/bin/javadoc     0         auto mode
  1            /opt/jdk-9.0.4/bin/javadoc     0         manual mode
  2            /opt/jdk1.8.0_20/bin/javadoc   0         manual mode

Press <enter> to keep the current choice[*], or type selection number: 2
update-alternatives: using /opt/jdk1.8.0_20/bin/javadoc to provide /usr/bin/javadoc (javadoc) in manual mode
```

```
                                vijani@vijani-Aspire-5750 ~                        _  +  x
File  Edit  View  Search  Terminal  Help
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --install /usr/bin/wsgen wsgen /opt/jdk1.8.0_20/bin/wsgen 0
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --config wsgen
There are 2 choices for the alternative wsgen (providing /usr/bin/wsgen).

  Selection    Path                      Priority   Status
------------------------------------------------------------
* 0            /opt/jdk-9.0.4/bin/wsgen     0         auto mode
  1            /opt/jdk-9.0.4/bin/wsgen     0         manual mode
  2            /opt/jdk1.8.0_20/bin/wsgen   0         manual mode

Press <enter> to keep the current choice[*], or type selection number: 2
update-alternatives: using /opt/jdk1.8.0_20/bin/wsgen to provide /usr/bin/wsgen (wsgen) in manual mode
```

```
                                vijani@vijani-Aspire-5750 ~                        _  +  x
File  Edit  View  Search  Terminal  Help
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --install /usr/bin/wsimport wsimport /opt/jdk1.8.0_20/bin/wsimport 0
vijani@vijani-Aspire-5750 ~ $ sudo update-alternatives --config wsimport
There are 2 choices for the alternative wsimport (providing /usr/bin/wsimport).

  Selection    Path                        Priority   Status
--------------------------------------------------------------
* 0            /opt/jdk-9.0.4/bin/wsimport    0         auto mode
  1            /opt/jdk-9.0.4/bin/wsimport    0         manual mode
  2            /opt/jdk1.8.0_20/bin/wsimport  0         manual mode

Press <enter> to keep the current choice[*], or type selection number: 2
update-alternatives: using /opt/jdk1.8.0_20/bin/wsimport to provide /usr/bin/wsimport (wsimport) in manual mode
```