**Step 1: Identify the Installation Path**

Before uninstalling JDK 21, you need to confirm where it is installed. If you installed it manually, it’s usually located in /opt/ or a custom directory.

1. **Check for Java installation paths**:

sudo update-alternatives --config java

This will list the different Java versions installed and their paths.

1. Identify the path for JDK 21, which is something like /opt/jdk-21/.

**Step 2: Remove JDK 21**

If JDK 21 was installed manually using a .tar.gz file, you can simply delete the folder.

1. **Navigate to the directory** where JDK 21 is installed:

cd /opt/

1. **Remove the JDK 21 directory**:

sudo rm -rf jdk-21

This will completely remove the JDK 21 installation.

**Step 3: Remove Environment Variables (If Set Manually)**

If you had set environment variables such as JAVA\_HOME for JDK 21, you should remove or update them.

1. **Open the environment variables file** (usually /etc/profile or ~/.bashrc, depending on where you set them):

sudo nano /etc/profile

1. **Look for any lines related to JDK 21**, like:

export JAVA\_HOME=/opt/jdk-21

export PATH=$PATH:$JAVA\_HOME/bin

1. **Remove or comment out** those lines by adding # at the beginning of the line, or delete them.
2. **Save and exit** by pressing CTRL + X, then Y to confirm changes, and hit **Enter**.
3. **Reload the environment variables**:

source /etc/profile

**Step 4: Update Alternatives (If Required)**

If JDK 21 was added to the alternatives system, remove it using the following commands:

1. **Remove the JDK 21 alternative for java**:

sudo update-alternatives --remove java /opt/jdk-21/bin/java

1. **Remove the JDK 21 alternative for javac**:

sudo update-alternatives --remove javac /opt/jdk-21/bin/javac

**Step 5: Verify Uninstallation**

Finally, check to make sure JDK 21 has been removed:

1. Run:

java -version

If JDK 21 was the only Java version installed, this should return an error message or point to a different Java version if installed.

**Conclusion**

By following these steps, you should have successfully uninstalled **JDK 21** from your Linux system. If you need to switch to another JDK version, you can install it and update your JAVA\_HOME and alternatives accordingly.