**JAVA INSTALLATION ON UBUNTU**

**JAVA:**

* Java is a programming language and computing platform first released by Sun Microsystems in 1995.
* It has evolved from humble beginnings to power a large share of today’s digital world, by providing the reliable platform upon which many services and applications are built.
* There are many applications and even some websites that will not function unless you have Java installed.
* The Java Virtual Machine is only one part of Java software that is involved in running an application.
* The Java Virtual Machine is built right into your Java software download, part of the JRE and helps run Java applications.

**COMMANDS**

* sudo -i
* apt-get update -y
* apt-get install default-jre -y
* apt-get install default-jdk -y
* java -version
* ls /usr/lib/jvm/
* apt install vim -y
* vim /etc/profile.d/jdk11.sh



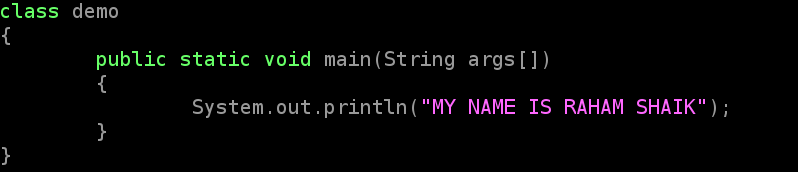
export JAVA\_HOME="/usr/lib/jvm/jdk-11.0.10"

export PATH="$PATH:${JAVA\_HOME}/bin"

* echo $JAVA\_HOME
* if above command not works reboot or restart the server once
* echo $PATH

**RUN A BASIC JAVA PROGRAM**

* vim demo.java



* javac demo.java : To Compile the Program
* java demo : To Execute the Program

**PYTHON INSTALLATION ON UBUNTU**

**PYTHON:**

* Python is a high level, dynamic and general-purpose programming language.
* It was designed and developed by Python Software Foundation.

**COMMANDS**

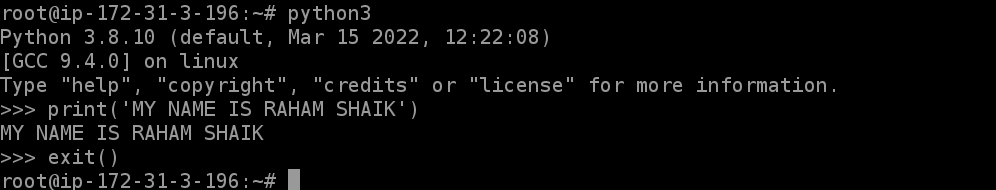
* sudo apt-get update -y
* sudo apt-get install python3 -y
* sudo apt-get install python3.8 -y

python3 : This will take you to space where you can write your code

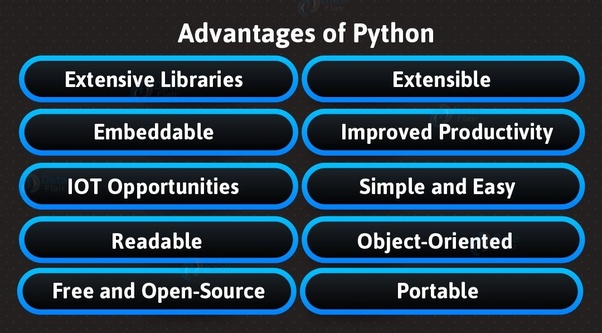
Now we are going to write a sample code to print hello world

To exit from that workspace give exit()

**RUN A BASIC PYTHON PROGRAM**



**ADVANTAGES**



**NODEJS INSTALLATION ON UBUNTU**

**NODEJS:**

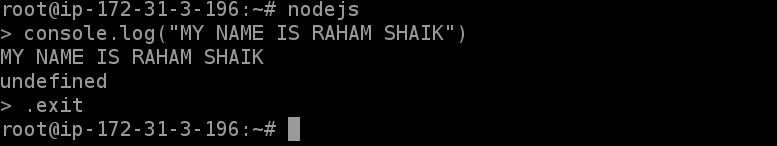
Node.js is a server-side platform built on Google Chrome's JavaScript Engine (V8 Engine).

Node.js was developed by Ryan Dahl in 2009 and its latest version is v0.10.36.

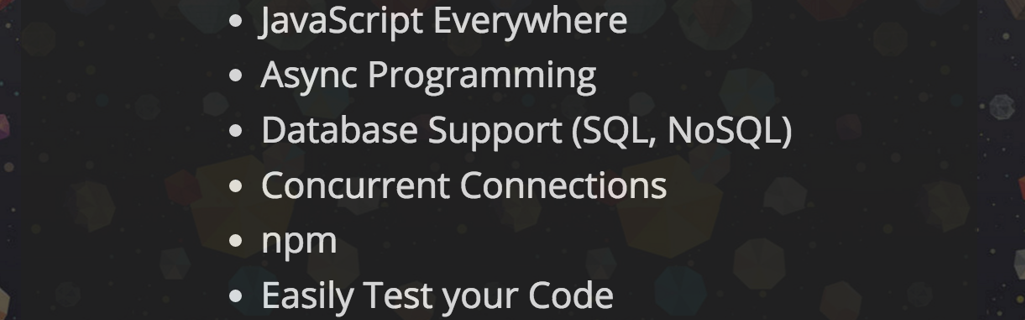
**COMMANDS**

* apt install nodejs -y
* node -v
* To run the nodejs use the command : nodejs
* To exit the from it use .exit

**RUN A BASIC PYTHON PROGRAM**



**ADVANTAGES**

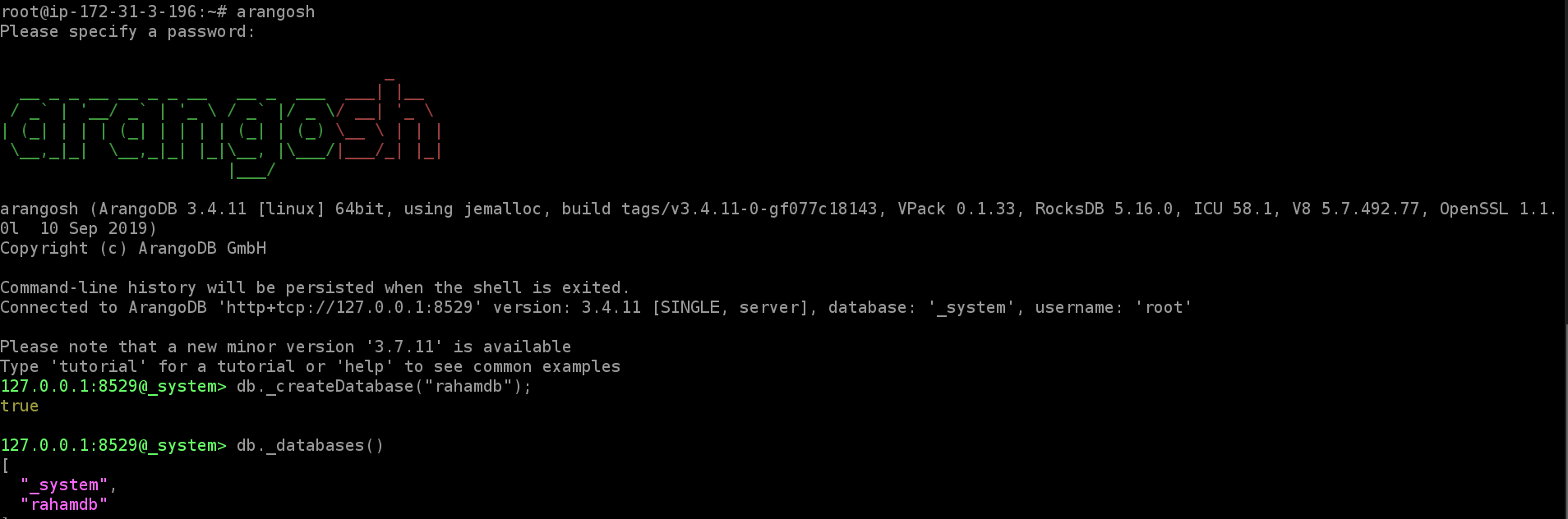


**ARANGO INSTALLATION ON UBUNTU**

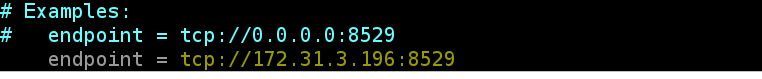
ArangoDB is a native multi-model, open-source database with flexible data models for documents, graphs, and key-values. Build high performance applications using a convenient SQL-like query language or JavaScript extensions

**COMMANDS**

* cd /etc/yum.repos.d/ echo 'deb https://download.arangodb.com/arangodb34/DEBIAN/ /' | sudo tee /etc/apt/sources.list.d/arangodb.list
* wget -q https://download.arangodb.com/arangodb34/DEBIAN/Release.key -O- | sudo apt-key add -
* sudo apt update -y
* sudo apt -y install apt-transport-https
* sudo apt -y install arangodb3
* sudo systemctl start arangodb3
* sudo systemctl status arangodb3
* sudo arangosh



vim /etc/arangodb3/arangod.conf



* sudo systemctl restart arangodb3
* sudo systemctl status arangodb3
* To Access the Arangodb : publicip:8529



Creds : USERNAME – root PASSWORD – You specified

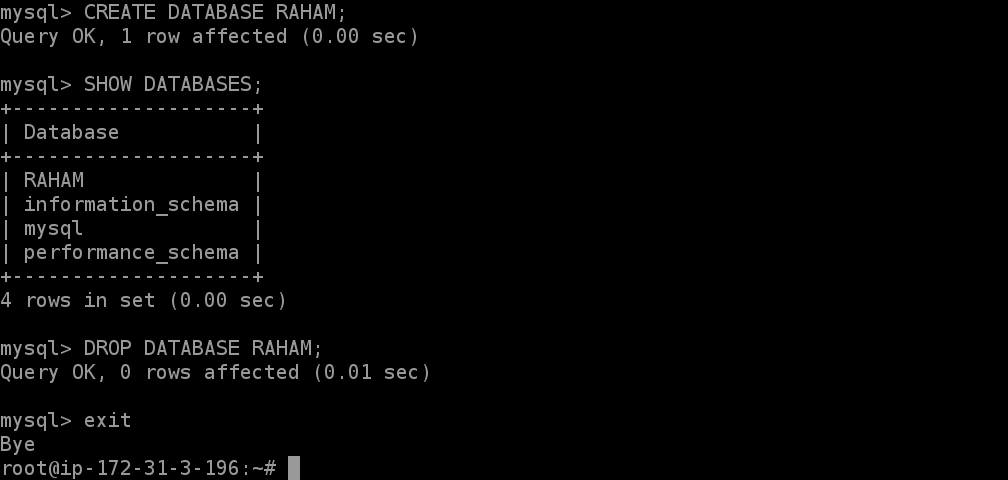
Click on drop-down you can see 2 dbs one is \_system & rahamdb select as you want

**PERCONA MYSQL INSTALLATION ON UBUNTU**

Percona Distribution for MySQL provides better performance and concurrency for even the most demanding workload. It delivers greater value to MySQL server users with optimized performance, greater performance scalability and availability, enhanced backups, and increased visibility. All Percona software is free and open source.

**COMMANDS**

* wget https://repo.percona.com/apt/percona-release\_latest.$(lsb\_release -sc)\_all.deb
* sudo dpkg -i percona-release\_latest.$(lsb\_release -sc)\_all.deb
* percona-release setup ps80
* sudo apt install percona-server-server
* mysql -u root -p



**MONGO DB INSTALLATION ON UBUNTU**

sudo apt install -y mongodb