**Ubuntu**

**PYTHON,JAVA,GIT,MySQL Installation in Ubuntu Instance:**

**Java installation:**

sudo apt update

(sudo apt search openjdk) optional

sudo apt install openjdk-11-jdk

java -version

**Configure the Java Home Location: (optional)**

**readlink -f $(which java)**

JAVA\_HOME=/usr/lib/jvm/java-8-openjdk-amd64/jre/bin/java

echo $JAVA\_HOME

export JAVA\_HOME

PATH=$PATH:$JAVA\_HOME

**PYTHON Installation Steps:**

sudo apt update

sudo apt upgrade -y

**condition is** : don't switch to super user "sudo su".

check present working directory is "/home/ubuntu" by using "pwd"

sudo apt install build-essential libssl-dev zlib1g-dev libncurses5-dev libncursesw5-dev libreadline-dev libsqlite3-dev libgdbm-dev libdb5.3-dev libbz2-dev libexpat1-dev liblzma-dev tk-dev libffi-dev

cd /tmp

wget https://www.python.org/ftp/python/3.6.5/Python-3.6.5.tgz

sudo tar xzf Python-3.6.5.tgz

cd Python-3.6.5

sudo ./configure --enable-optimizations

sudo make altinstall

check version:

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ubuntu@ip-10-10-11-32:~$ python3 --version

Python 3.8.5

ubuntu@ip-10-10-11-32:~$ python3.6 --version

Python 3.6.5

**GIT Installation:**

1. For ubuntu Git is in-built software. If you want to use updated version than you can upgrade.

**MySQL Installation:**

sudo apt update

sudo apt upgrade

sudo apt install mysql-server

press y

sudo service mysql status

sudo mysql\_secure\_installation

press Y

enter 2

press y,y,y,y

sudo mysql

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'Adapal@303';

FLUSH PRIVILEGES;

exit

sudo service mysql restart

mysql -u root -p

enter password: Adapal@303

create Database:

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mysql> create database bookstore;

Query OK, 1 row affected (0.01 sec)

sudo service mysql restart

**Unix/Linux**

**PYTHON,JAVA,GIT,MySQL Installation in Linux Instance:**

**JAVA Installation:**

sudo su

sudo yum update -y

sudo yum upgrade -y

sudo yum install java -y

**PYTHON Installation:**

sudo yum install gcc openssl-devel bzip2-devel libffi-devel

sudo yum install @development zlib-devel bzip2 bzip2-devel readline-devel sqlite sqlite-devel openssl-devel xz xz-devel libffi-devel findutils

cd /opt

sudo wget https://www.python.org/ftp/python/3.6.5/Python-3.6.5.tgz

sudo tar xzf Python-3.6.5.tgz

cd Python-3.6.5

sudo ./configure --enable-optimizations

sudo make altinstall

**GIT Installation:**

sudo yum install git

**MySQL Installation:**

sudo wget https://dev.mysql.com/get/mysql57-community-release-el7-11.noarch.rpm

sudo yum localinstall mysql57-community-release-el7-11.noarch.rpm

sudo yum install mysql-community-server

sudo systemctl start mysqld.service

**check mysqld Active or not:**

sudo systemctl status mysqld

sudo grep 'temporary password' /var/log/mysqld.log ======> copy the password **EX**:

[ec2-user@ip-10-10-11-128 ~]$ **sudo grep 'temporary password' /var/log/mysqld.log**

2021-05-27T16:29:25.853175Z 1 [Note] A temporary password is generated for root@localhost: yVrp6lb?<Fyr

whereis mysql

/usr/bin

cd /usr/bin

mysql -u root -p

enter password:yVrp6lb?<Fyr

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'Demo\_pw9';

GRANT ALL PRIVILEGES ON mynewdatabase.\* TO 'myuser'@'localhost' WITH GRANT OPTION;

FLUSH PRIVILEGES;

sudo systemctl restart mysqld

CREATE USER 'myuser'@'localhost' IDENTIFIED BY 'mypassword';

mysql -u root -p

enter password: Demo\_pw9

create database bookstore;