

Online Python Compiler (Inter... x +

programiz.com/python-programming/online-compiler/

Programiz

Python Online Compiler

Android Developers

AI coding assistant

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main.py

Run

```
1 # Online Python compiler (interpreter) to run Python online.
2 # Write Python 3 code in this online editor and run it.
3 rows = 5
4 for i in range(1, rows + 1):
5     print("*" * i)
```

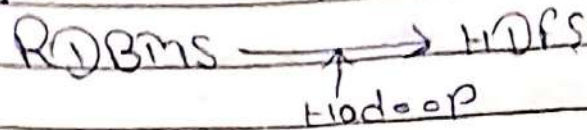
Output

Clear

```
*
**
***
****
*****

=== Code Execution Successful ===
```

(1) Hadoop:-



It is an open-source framework which forms interface or linking between database and HDFS.

Technology + Tools HIVE, spark, pig

Map Reduce.

Symbol - Yellow Elephant

Founded by:- GFS

Google File System

\* Write python code for following

```
* def print_star_pattern
* * (rows);
* * * " , , ,
* * * * Print a right angled
* * * * triangle star pattern.
* * * * Args;
* * * * rows: The no. of rows
* * * * in the pattern
* * * * for i in range(1, rows+1)
* * * * print(" * " * i)
```



\* Rows = 5

for i in range(1, rows + 1);  
    print("\*" \* i)

(1) Creating Database

CREATE Database Example

CREATE Employee id (emp id)

(3) Define Table Schema

The table Schema define the no. of rows and columns present in base

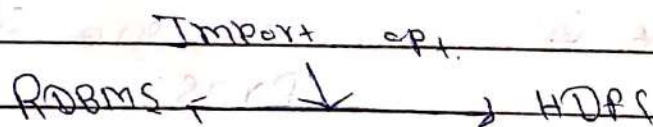
- emp-id

- primary key

(3) Populate the Records

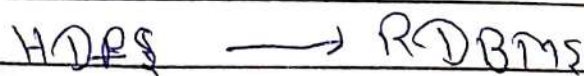
↳ Insertion of data

(A) Import operator



(2) Analyze  $\rightarrow$  ~~Result~~ Result

(3) Export





# Hadoop Architecture

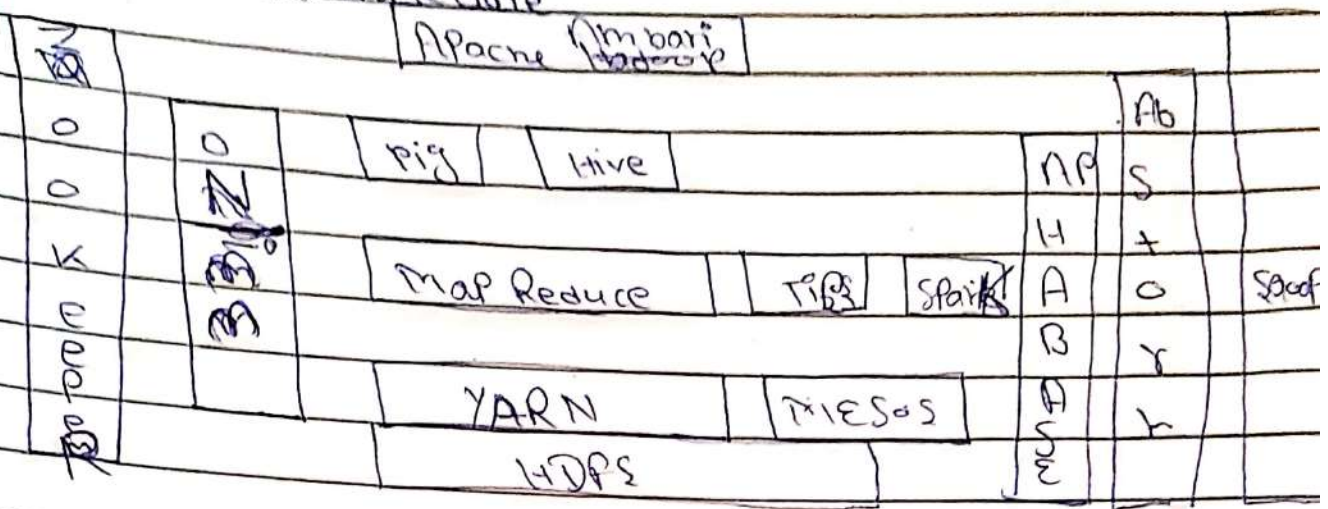


Fig: Hadoop Architecture

HDFS: Hadoop File System.

YARN: Yet Another Resource ~~Manager~~ Negotiable

Map: Distribution of dataset / Splitting

YARN Alternative is Mesos.

Pig: Scripting programming language. We can put it into syntax.

Hive: To run all the SQL Query

TIPS: Graphical representation

Spark: for Scale D programming language.

Apache HBase: Storage

Apache Storm: Real-Time processing

Scout: HDFS

OZIE: Scheduling

ZooKeeper: Keeps the records about the states present in the system  
eg: the state in work down