

WEEK 7 BDA LAB
USN:1BM19CS109
NAME: P PREM SAI

Installation of Apache Spark on personal laptop

1. Apache Spark installation screenshot

```
Spark context web UI available at http://10.0.0.1:4040
Spark context available as 'sc' (master = local[*])
Spark session available as 'spark'.
Welcome to

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version 3.2.1

Using Scala version 2.12.15 (OpenJDK 64-Bit S
Type in expressions to have them evaluated.
Type :help for more information.

scala> val num=Array(1,2,3,56,78)
num: Array[Int] = Array(1, 2, 3, 56, 78)

scala> val data=sc.parallelize(num)
data: org.apache.spark.rdd.RDD[Int] = Parallel
t <console>:24

scala> data.foreach(println)
[Stage 0:>
1
2
3
56
78
```

2. Pyspark installation screenshot

```
[GCC 8.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
22/06/26 23:20:41 WARN Utils: Your hostname, sharat-VirtualBox resolves to
opback address: 127.0.1.1; using 10.0.2.15 instead (on interface enp0s3)
22/06/26 23:20:41 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to an
address
Using Spark's default log4j profile: org/apache/spark/log4j-defaults.properties
Setting default log level to "WARN".
To adjust logging level use sc.setLogLevel(newLevel). For SparkR, use setL
el(newLevel).
22/06/26 23:20:43 WARN NativeCodeLoader: Unable to load native-hadoop libr
or your platform... using builtin-java classes where applicable
/opt/spark/spark-3.2.1-bin-hadoop2.7/python/pyspark/context.py:238: Future
ng: Python 3.6 support is deprecated in Spark 3.2.
FutureWarning
Welcome to

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 version 3.2.1

Using Python version 3.6.9 (default, Jan 26 2021 15:33:00)
Spark context Web UI available at http://10.0.2.15:4040
Spark context available as 'sc' (master = local[*], app id = local-1656265
9).
SparkSession available as 'spark'.
>>>
```