```python
from pyspark.sql import SparkSession
from pyspark.sql.types import StructType, StructField, IntegerType, StringType

#list of tuples -> each tuple consists of id,name,marks in percentage
tuples_list=[
    (1,"Alice",98.5),
    (2,"Bob",99.1),
    (3,"Charlie",80.0)
]



#converting the list of tuples into dataframe

df=spark.createDataFrame(tuples_list)
df
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-2-35c64ef31cc6> in <cell line: 0>()
     12 #converting the list of tuples into dataframe
     13
---> 14 df=spark.createDataFrame(tuples_list)
     15 df

NameError: name 'spark' is not defined
```

```python
#creating a dataframe for the list of tuples
df = spark.createDataFrame(tuples_list, schema=schema)

#printing the schema
df.printSchema()

#print ing the dataframe
df.display()
```

```
root
 |-- ID: integer (nullable = true)
 |-- Name: string (nullable = true)
 |-- Age: integer (nullable = true)


---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
<ipython-input-15-f694b699a312> in <cell line: 0>()
     26
     27 #print ing the dataframe
---> 28 df.display()

/usr/local/lib/python3.11/dist-packages/pyspark/sql/dataframe.py in __getattr__(self, name)
   3127         """
   3128         if name not in self.columns:
-> 3129             raise AttributeError(
   3130                 "'%s' object has no attribute '%s'" % (self.__class__.__name__, name)
   3131             )

AttributeError: 'DataFrame' object has no attribute 'display'
```

```python
from pyspark.sql import SparkSession
from pyspark.sql import StructType, StructField, StringType, IntegerType, FloatType

spark=SparkSession.builder.appName('Dataframe').getOrCreate()

file_path='/content/Mobiles Dataset (2025).csv'

df=spark.read.csv(file_path,header=True,infer_schema=True)

df.show()
```

```
--------------------------------------------------------------------------
ImportError                               Traceback (most recent call last)
<ipython-input-1-d492c13934f2> in <cell line: 0>()
      1 from pyspark.sql import SparkSession
----> 2 from pyspark.sql import StructType, StructField, StringType, IntegerType, FloatType
      3
      4 spark=SparkSession.builder.appName('Dataframe').getOrCreate()
      5

ImportError: cannot import name 'StructType' from 'pyspark.sql' (/usr/local/lib/python3.11/dist-
packages/pyspark/sql/__init__.py)
```

```python
from pyspark.sql import SparkSession
from pyspark.sql.types import StructType, StructField, StringType, IntegerType, FloatType

spark=SparkSession.builder.appName('Dataframe').getOrCreate()

file_path='/content/Mobiles Dataset (2025).csv'

df=spark.read.csv(file_path,header=True,infer_schema=True)

df.show()
```

```
--------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-3-a1296803d0ab> in <cell line: 0>()
      6 file_path='/content/Mobiles Dataset (2025).csv'
      7
----> 8 df=spark.read.csv(file_path,header=True,infer_schema=True)
      9
     10 df.show()

TypeError: DataFrameReader.csv() got an unexpected keyword argument 'infer_schema'
```