```python
# Databricks notebook source
import pyspark
from pyspark.sql import SparkSession
from pyspark.sql.types import StructType, StructField, StringType

spark = SparkSession.builder.appName('SparkByExamples.com').getOrCreate()

schema = StructType([
    StructField('firstname', StringType(), True),
    StructField('middlename', StringType(), True),
    StructField('lastname', StringType(), True)
])

# Create an empty DataFrame using createDataFrame method with empty
list
df = spark.createDataFrame([], schema)
df.printSchema()


# Create an empty DataFrame using createDataFrame method
df = spark.createDataFrame(spark.sparkContext.emptyRDD(), schema)
df.printSchema()

# Create an empty DataFrame using parallelize and toDF methods
df1 = spark.sparkContext.parallelize([]).toDF(schema)
df1.printSchema()

# Create an empty DataFrame using createDataFrame method with empty
list
df2 = spark.createDataFrame([], schema)
df2.printSchema()


# COMMAND ----------
```