*# Import the necessary module*from pyspark.sql import \*  
  
*# Create a SparkSession object*spark = SparkSession.builder.appName('WriteToJSON').getOrCreate()  
  
*# Create a list of Data and Define schema for the data*myData = [(1,'Harsha',20000),(2,'Mokshit', 25000),(3,'Kiran', 35000)]  
  
mySchema = ['Id','Name','Salary']  
  
*# Create a DataFrame from the data and schema*df = spark.createDataFrame(data=myData, schema=mySchema)  
  
*#==============================================  
# Using the 'write' method of the DataFrameWriter class*df.write.parquet('C:/Users/hars2071/Downloads/DEPractice/DFtoParquet/cust')  
  
spark.read.parquet('C:/Users/hars2071/Downloads/DEPractice/DFtoParquet/cust/').show()

*Output:*

+---+-------+------+

| Id| Name|Salary|

+---+-------+------+

| 2|Mokshit| 25000|

| 1| Harsha| 20000|

| 3| Kiran| 35000|

+---+-------+------+

*#==================================================  
# Now let’s look at different modes that can be used  
  
# Append: If the file already exists, new data is appending to the existing file.*df.write.parquet('C:/Users/hars2071/Downloads/DEPractice/DFtoParquet/cust', mode='append')  
  
*# Overwrite: If the file already exists, it is overwritten with the new data*df.write.parquet('C:/Users/hars2071/Downloads/DEPractice/DFtoParquet/cust', mode='overwrite')  
  
*# ignore: If the file already exists, the write operations is ignored and no new data is written to the file.*df.write.parquet('C:/Users/hars2071/Downloads/DEPractice/DFtoParquet/cust', mode='ignore')  
  
*# error: If the file already exists, an error is raised.*df.write.parquet('C:/Users/hars2071/Downloads/DEPractice/DFtoParquet/cust', mode='error')