from pyspark.sql import SparkSession  
from pyspark.sql.functions import col, avg  
from pyspark.sql.functions import lit, col #lit used to create a column with a literal (constant) value in a DataFrame.  
  
  
car=[  
 ("Ford Torino", 140, 3449, "US"),  
 ("Chevrolet Monte Carlo", 150, 3761, "US"),  
 ("BMW 2002", 113, 2234, "Europe")  
]  
columns=["carr","horsepower","weight","origin"]  
spark = SparkSession.builder.appName("car").getOrCreate()  
df=spark.createDataFrame(car,columns)  
  
  
#With to create or replace a column in the DataFrame  
  
new\_column=df.withColumn("AvgWeight", lit(200)) \  
 .withColumn("kilowatt\_power", col("horsepower") \* 1000)  
  
#new\_column.show()  
  
renamed\_table=new\_column.withColumnRenamed("carr","car")  
renamed\_table.show()  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 ()