1. It is used to apply the transformation on a column of type array. This function applies the specified transformation on every element of the array and returns an object of ArrayType.

from pyspark.sql import \*  
from pyspark.sql.functions import \*  
  
*# Create a Spark session*spark = SparkSession.builder.appName("transform").getOrCreate()  
  
myData = [(1, 'Harsha',['Azure','dotnet']),  
 (2,'Mokshit',['aws','python'])]  
  
mySchema = ['id','name','skills']  
  
df = spark.createDataFrame(myData,mySchema)  
  
df.show()  
  
df.select('id','name', transform('skills',lambda x:upper(x)).alias('skills')).show()  
  
  
def convertArrayToUpper(x):  
 return upper(x)  
  
df.select('id','name',transform('skills',convertArrayToUpper).alias('skills')).show()

**Output:**

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

| id| name| skills|

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

| 1| Harsha|[Azure, dotnet]|

| 2|Mokshit| [aws, python]|

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

| id| name| skills|

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

| 1| Harsha|[AZURE, DOTNET]|

| 2|Mokshit| [AWS, PYTHON]|

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| id| name| skills|

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

| 1| Harsha|[AZURE, DOTNET]|

| 2|Mokshit| [AWS, PYTHON]|

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