1. Unpivot is rotating columns into rows. Pyspark SQL doesn’t have unpivot function hence will use the stack() function.

from pyspark.sql import \*  
from pyspark.sql.functions import \*  
  
spark = SparkSession.builder.appName('pivot()').getOrCreate()  
  
myData = [('IT',8,5),  
 ('Payroll',3,2),  
 ('HR',2,4)]  
  
mySchema = ['dept','male','female']  
  
df = spark.createDataFrame(myData,mySchema)  
  
df.show()  
  
unpivot\_df = df.select('dept',expr("stack(2,'male',male,'female',female) as (gender, count)"))  
  
unpivot\_df.show()

**Output:**

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

| dept|male|female|

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

| IT| 8| 5|

|Payroll| 3| 2|

| HR| 2| 4|

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

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

| dept|gender|count|

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

| IT| male| 8|

| IT|female| 5|

|Payroll| male| 3|

|Payroll|female| 2|

| HR| male| 2|

| HR|female| 4|

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