



## **Module 9: Dendrogram Assignment**

## Problem Statement:

You work in XYZ Company as a Python developer. The company officials want you to write code for an Agglomerative Clustering Problem.

Data:

```
[[5,3],  
[10,15],  
[15,12],  
[24,10],  
[30,30],  
[85,70],  
[71,80],  
[60,78],  
[70,55],  
[80,91],]
```

## Tasks To Be Performed:

1. Using the np.array function create an np array from the data given above
2. Generate a scatter plot for the data
3. Plot dendrogram to visualize the clustering linkage