CLOUD  
  
You are a consultant for Alphacom and the company is currently making a decision for‘cloudifying’ the infrastructure. You are asked for your recommendation. Here is a small description of Alphacom.

-Alphacom has around 50,000 employees distributed across the world and develops several products. They have been in the business for the past 30 years. The company is quite successful and their revenue grows at a rate of 18%. They have a mix of old and new products. Primarily they work for Banking, Healthcare and transport clients.

Justify your recommendations.

PYTHON

1. Write a program that accepts a sentence and calculate the number of letters, digits, uppercase letters, lower case letters and special characters.
2. Create a file which contains names of the cities, corresponding population and area. [Input these parameters to create the file]. Sort the file in alphabetic order and replace on disk.
3. Write a Function to print Fibonacci sequence

DATA STRUCTURE

Suggest the Data structure used for possible chess moves