Q-1. Please choose correct steps which are applicable for solving the Q-2.

A. Sort the input list , Find Out cumulative sum , choose random number, compare number and return count

B. Find Out cumulative sum, choose random no, compare number and return count , Sort the input list

C. choose random number , Find Out cumulative sum , Sort the input list ,compare number and return count

D. All of the above

Ans: A (Sorting input list is not mandatory as we are taking the cumulative sum)

Q-2 . What are the benefits of Regex (Regular expressions) ?

A. Finding out the particular pattern from string

B. Used for different string operations

C. Useful for the preprocessing of text data

D. All of the above

Ans: D

Q-3. Can you please tell us what is the difference between percentiles and percentages ?

Ans: Percentages is a mathematical value out of 100. Percentiles tell us what is the position or the rank.

For example:

All students in a class wrote an exam. If Ramu gets 40 out of 50 marks in that exam.

Then **percentage** is (40/50 )\*100 =**80%**

If in that exam , lots of students got scores in the range 30-45. Then percentile tells in which position or rank are you. If Ramu gets a **60 percentile** means, 60% of the students who wrote that exam got marks below 40.

In short,

**Percentage – 80% (how well Ramu performed in the exam)**

**Percentile – 60 (how well Ramu performed compared to others who wrote the same exam)**