1. What is Python? And it’s used for?
2. What are the advantages of Python?
3. **Is Python a compiled language or an interpreted language?**
4. **What is the difference between a Mutable datatype and an Immutable data type?**
5. **What is a lambda function?**
6. **Difference between for loop and while loop in Python**
7. What is Scope in Python?
8. What are Built-in data types in Python?
9. Differentiate between List and Tuple?
10. Explain Python Functions?
11. What are the different types of operators in Python?
12. What is a dictionary in Python?
13. What is a negative index in Python and why are they used?
14. What is Data Science?
15. Differentiate Between Data Analytics and Data Science
16. How is logistic regression done?
17. How can you select k for k-means?
18. How can you calculate accuracy using a confusion matrix?
19. What are the differences between supervised and unsupervised learning?
20. How can outlier values be treated?
21. Write the equation and calculate the precision and recall rate.
22. What is a Confusion Matrix?
23. What are the popular libraries used in Data Science?
24. What information is gained in a decision tree algorithm?
25. What is Deep Learning?
26. Difference between Normalisation and Standardization
27. Explain Naive Bayes and linear regression
28. Differentiate between Machine Learning, Data Science, and AI.
29. Difference between Regression and Classification
30. Explain lambda function with example.
31. Explain exception handling.
32. Find the minimum of two numbers using lambda function (without using in build function)
33. Find the maximum of three numbers using lambda function (without using in build function)
34. Write a program to Reverse the string without using slicing([::-1])(lambda function)
35. Find the square of each element present in the list using lambda function.
36. Find the cube of each element present in the list using lambda function.
37. Sort the elements present in list in ascending order using lambda function.
38. Sort the elements present in list in descending order using lambda function.
39. Is it possible to handle indentation and syntax errors using exception handling.
40. Write a Python Program to check two arrays are equal or not.
41. Write a Python Program to find largest and smallest number in an array
42. Write a Python Program to print second largest number in an array
43. Is it possible to build a Python program that reverses a number?
44. What is the best way to add items to a Python array?
45. Make a Python script that checks if a given number is prime.
46. Create a Python program that checks if a given sequence, is a Palindrome
47. Write a Python program that removes vowels from a string

## Python code to find sum of integers in the string