Module-2 Labs

1. Write a Python program to create a list of multiple data type elements.
2. Write a Python program to access elements at different index positions.
3. Write a Python program to find the length of a list using the len() function.
4. Write a Python program to update a list using insert() and append().
5. Write a Python program to remove elements from a list using pop() and remove().
6. Write a Python program to iterate through a list and print each element.
7. Write a Python program to insert elements into an empty list using a for loop and append().
8. Write a Python program to convert a list into a tuple.
9. Write a Python program to create a tuple with multiple data types.
10. Write a Python program to concatenate two tuples into one.
11. Write a Python program to access the value of the first index in a tuple.
12. Write a Python program to access values between index 1 and 5 in a tuple.
13. Write a Python program to access the value from the last index in a tuple.
14. Write a Python program to create a dictionary of 6 key-value pairs.
15. Write a Python program to access values using keys from a dictionary.
16. Write a Python program to update a value at a particular key in a dictionary.
17. Write a Python program to separate keys and values from a dictionary using keys() and values() methods.
18. Write a Python program to convert two lists into one dictionary using a for loop.
19. Write a Python program to count how many times each character appears in a string.
20. Write a Python program to print a string using a function.
21. Write a Python program to create a parameterized function that takes two arguments and prints their sum.
22. Write a Python program to create a lambda function with one expression.
23. Write a Python program to create a lambda function with two expressions
24. Write a Python program to demonstrate the use of functions from the math module.
25. Write a Python program to generate random numbers between 1 and 100 using the random module.
26. Write a Python program to create a file and write a string into it.
27. Write a Python program to create a file and print the string into the file.
28. Write a Python program to read a file and print the data on the console.
29. Write a Python program to check the current position of the file cursor using tell().