

## **Sample APL programs**

1. Program to check if a number is odd or even in python.
2. Find the factorial of a number in python.
3. Find factorial of a number using recursion in python.
4. program to read the contents from a file and display on console
5. program to read the contents from a one file and write into another file
6. program to display file available in current directory
7. Python program to display a horizontal bar chart of the popularity of programming Languages.

Sample data:

Programming languages: Java, Python, PHP, JavaScript, C#, C++

Popularity: 22.2, 17.6, 8.8, 8, 7.7, 6.7

8. Python program to create a pie chart.
9. program for designing a GUI using Tkinter
10. program for class, object and constructor using suitable data
11. program for Method overloading
12. program for Method overriding
13. program for Single inheritance
14. program for multilevel inheritance
15. program for demonstrating any 5 functions of Array
16. program for demonstrating any 5 functions of list
17. program for demonstrating any 5 functions of dictionary
18. program for demonstrating any 5 functions of string
19. program for demonstrating any 5 functions of tuple
20. program for demonstrating any 5 functions of set
21. program for creating function and lambda function
22. program for Creating a new package for addition and multiplication operation and use it in another program.
23. program for applying the stemming operation using NLTK
24. program for use of Numpy library
25. program for use of pandas library