

INDIAN SCHOOL MUSCAT
SENIOR SECTION
COMPUTER SCIENCE (083) CLASS XII (2020-2021)
WORKSHEET 5 : RECURSION

- 1 WAPP to recursively find the factorial of a natural number.
- 2 Write a recursive code to find the sum of all elements of a list.
- 3 Write a recursive code to compute the nth Fibonacci number.
- 4 Write a recursive Python program to test if a string is a palindrome or not.
- 5 Write a recursive function in Python to perform binary search on a sorted list.
- 6 Write a recursive function in Python to display first m multiples of n, where m and n are passed as arguments to the function.
- 7 Write a recursive function in Python to find the sum of first n terms of the series: $\sin(0)+\sin(0.1)+\sin(0.2)+. . .$