



Department of Computer Science and Engineering,  
Anna University, Chennai- 600025  
CS6104 – Data Structures and Algorithms (R 2018)  
Practical  
August – December 2023  
Year/Sem/Batch : II/III/ P

Exercise: 12

String Matching

14- Dec- 2023

Spot ( 5 Marks)

1. What is the definition of the prefix function that is used by the Knuth/Morris/Pratt algorithm?
2. Show the Knuth/Morris/Pratt prefix function for pattern aabaabcab.
3. How does the KMP string matching algorithm work? Write all the steps for the given example.  
pattern = "def"  
string = "abcdefgh"