**Practical 6: Construct Different Types of K-Shingles for Given Document**

Code:

# Install necessary packages

install.packages("tm")

require("tm")

install.packages("devtools")

# Define function to read an integer and create shingles from a file

readinteger <- function() {

  n <- readline(prompt = "Enter value of k-1: ")  # Prompt user for input

  k <- as.integer(n)  # Convert input to integer

  u1 <- readLines("C:/Users/asif0/Documents/File1.txt")  # Read in file

  Shingle <- 0  # Initialize variable for storing shingles

  i <- 0  # Initialize loop counter

  while (i < nchar(u1) - k + 1) {  # Loop through file, creating shingles

    Shingle[i] <- substr(u1, start = i, stop = i + k)  # Extract shingle from file

    print(Shingle[i])  # Print shingle to console

    i <- i + 1  # Increment loop counter

  }

}

# Call readinteger function if running interactively

if (interactive()) {

  readinteger()

}

**OUTPUT**

