Questions:

1. Explain with examples the difference between numeric and character vectors in R
2. What are constants in R? Give examples of numeric and character constants.
3. Write an R code to create two numeric vectors and demonstrate the use of three different arithmetic operators on them. Explain each operation.
4. Write an R program that prints the squares and cubes of numbers from 1 to a specified number. For example, demonstrate the program for the inputs 8,9,11,670
5. What is the correct syntax for creating a function in R that accepts two arguments and returns their sum?
6. Write a code to create a matrix in R with 3 rows and 4 columns, and show how to access the element in the second row and third column.
7. How are data frames different from matrices in R? Create a small data frame and show an example of how to add a new column to it.
8. What are factors and operations in R?
9. Explain 5 math functions in R
10. Average of 5 numbers
11. Write an R function to calculate the mode of elements in a numeric or character vector.