09-06-23

1. Write a R program to find whether the given number is even
2. Write a R program to find maximum of 2 numbers
3. Write a R program to display numbers from 1 to 5 using for loop and while loop
4. Write a R program to implement switch statement

13-06-23

1. Write a R program to find factorial of a number
2. Write a R program to find factorial of a number, using function
3. Write a R program to construct a basic calculator
4. Write a R program to print values from 1 to 100. Print ‘Fizz’ for multiples of 3, print ‘Buzz’ for multiples of 5, and print ‘Fizzbuzz’ for multiples of both

15-06-23

Vector

1. Write a R program to create a vector which contains 10 random integer values between -50 and +50.
2. Write a R program to find the maximum and the minimum value of a given vector.
3. Write a R program to create three vectors numeric data, character data and logical data. Display the content of the vectors and their type.
4. Create vector with elements from 5 to 9 incrementing by 0.4. Test whether a given vector contains a specified element.
5. Write a R program to add 3 to each element in a given vector. Print the original and new vector
6. Name the contents of the vector

Lists

1. Create a list of 5 strings. Check whether an item exists in the list. Illustrate addition and removal of an item in the list.
2. Create a list containing strings, numbers, vectors and a logical value.
3. Create 3 lists and merge them together. Display the length of the merged list.
4. Create two lists having numbers. Convert the lists to vectors, add the vectors and display the result.
5. Create an even no list and an odd no list and merge it together as a even odd list

20-06-23

Matrices

1. Write a R program to create a matrix taking a given vector of numbers as input. Display the matrix and define the column and row names. Display the matrix.
2. Write a R program to create three vectors a,b,c with 3 integers. Combine the three vectors to become a 3×3 matrix where each column represents a vector. Print the content of the matrix.
3. Illustrate how a matrix item, a column or a row is accessed in R. Also, display the 2nd and 4th row with 1st and 3rd column for the matrix.
4. Illustrate how a row and a column can be added or removed.
5. Write a R program to create an array with three columns, three rows, and two "tables", taking two vectors as input to the array.

Arrays

1. Write a R program to create a 3X3- 3-dimensional array of 27 elements.
2. Name the rows, columns and the matrices.
3. Write a R program to create an array of two 4x4 matrices each with 4 rows and 4 columns from two given vectors. Print the second row of the second matrix of the array and the element in the 3rd row and 3rd column of the 1st matrix.
4. For the above array, add the 2nd and 4th matrix and display the resultant matrix.