Exercise – 2

Execute the commands shown in the following table and observe the output.

|  |  |
| --- | --- |
| **Commands** | **Output** |
| c(1 , 2, 3, 4) +2 |  |
| c(1, 2, 3) – c(2, 3, 4) |  |
| c(1, 2, 3) \* c(2, 3, 4) |  |
| c(1, 2, 3) / c(2, 3, 4) |  |
| c(1, 2, 3) ^ 2 |  |
| c(1, 2, 3, 14) %% 2 |  |
| c(a = 1, b = 2, c = 3) + c(b = 2, c = 3, d = 4) |  |
| c(a = 1, b = 2, 3) + c(b =2, c = 3, d = 4) |  |

Exercise – 2

Create a matrix from a vector and set up one of its two dimensions.

Exercise – 3

Create a matrix. Name the row and column while creating the matrix.

Exercise – 4

Create two matrices m1 and m2 and use all the common arithmetic operator with them to perform element -wise calculation. Extract the element that is in first row of the second column in matrix m1.

Exercise – 5

Define a factor for the following data:

|  |
| --- |
| **Department** |
| ACCOUNTS |
| HR |
| ADMIN |
| OPERATION |
| IT |

EXERCISE – 6

Create a list form the following data and check the output:

|  |  |  |
| --- | --- | --- |
| **Name** | **Age** | **Department** |
| Scott | 34 | HR |

EXERCISE – 7

Create a data frame for the following data:

|  |  |  |  |
| --- | --- | --- | --- |
| **Serial No.** | **Emp. Code** | **Emp. Name** | **Salary** |
| 1 | 1001 | John Doe | 2,500 |
| 2 | 1002 | Jane Doe | 3,000 |
| 3 | 1003 | Steve Graves | 4,500 |