R Lab Exercise - 2

1. Create a list containing three numbers, a numeric vector, a logical vector and a character vector and print it.
2. After creating the above list, access the first index, access them using a logical vector, name the elements of the list and access one index using a name. Print the first two rows using the colon operator.
3. Create a list with objects of different types. Add a new element to the front of the list and update the 3rd element to an integer.
4. Create an integer list and a character list. Merge them using c() function
5. Create two integer lists. Multiply both the lists.
6. Create a matrix with numbers using a colon operator with 5 rows and 4 columns with the elements arranged row wise.
7. Create a matrix with numbers using a colon operator with 5 rows and 4 columns with the elements arranged column wise.
8. Create two matrices using rbind and cbind function.
9. Create a matrix of 18 elements with 6 rows and 3 columns.
10. Access the element in 4th row and 3rd column
11. Access the 3rd row
12. Access the fourth column
13. Access the 2nd and 3rd element of the 4th, 5th, 6th row.
14. Access all the rows except 5th row.

15. Create a matrix of 18 elements with 6 rows and 3 columns. Access the 3rd and 4th column of 5th and 6th row using logical vectors

16. Create a matrix of 18 elements with 6 rows and 3 columns. Access the 3rd and 4th column of 5th and 6th row, by naming the matrix rows and columns and accessing them with character vectors.