

- a. Read a numeric value and coerce into integer
- b. Read a complex variable and coerce into integer and explain whether it is possible.
- c. Is it possible to coerce a character to integer. If so, write the script for it
- d. Can you coerce logical values of TRUE and FALSE to 1 and 0. If so, write the script.
- e. Create a vector containing a sequence of numbers from 1 to 50
- f. Create a vector containing a sequence from 2.2 to 4.2
- g. Create a Vector using c() function. What happens when elements are of same type ?
- h. Create a vector of different data types using c() function. Determine its data type and give an explanation for it. Determine the length of a vector.
- i. Create a vector containing numbers from 100 to 150 with a step size of 5.
- j. Create a vector from 1 to 100 with length 13
- k. Create two vectors of type integer and complex and combine them together. Find its length and data type
- l. Create two vectors of type complex and character and combine them together. Find its length and data type.
- m. Create a vector containing characters from 'a' to 'z'. Access the vector using integer vectors.
 - i). Access the 3rd member. What does it return ?
 - ii) Access the 4,22,13 elements. What does this return ?
 - iii). Access all but 25th member.
 - iv). Access all but 2 and 25th member
 - v). Access all with a colon operator
 - vi) Access all from 10 to 20 members
 - vii). Get the 2nd element 2 and 3rd member thrice
- n. Create a vector containing alphabets from a to f.
 - i)Access all elements through logical indexing.
 - ii).Access alternate elements through logical indexing
 - iii). Access only last element through logical indexing
- o. Create a vector containing positive and negative integers.
 - i). Display only the positive members of a list
 - ii). Display only the negative members of a list
- p. Create a vector. Name all its members as a,b,c etc. Display the names of the members. Display the vector in reverse order using character indices.
- q. Create a numerical vector and modifying all odd numbers as -1.
- r. Create a numerical vector and sort it.
- s. Create a character vector of length 5 and sort it in descending order.
- t. Read an input from user and convert it to integer
- u. Read an input from user and convert to logical
- v. Read an input from user and convert to complex.
- w. Create two integer vectors and perform all arithmetic operations on it
- x. Create two integer vectors and perform all relational operations on it (<,>,<=,>=,==,!=)
- y. Create two integer vectors containing a mix of integers and 0s. Perform all logical operations on it.