**Screenshot of the R script**

A screenshot of a cell phone

Description automatically generated

**Screenshot of the result/function execution**

A screenshot of a computer

Description automatically generated

**Code**

|  |
| --- |
| is.prime <- function(n)  {  if (n == 2)  { print('number is prime') }    else if (n > 2)  {  # finds the square root of number and assign to var 'i'  i <- sqrt(n)  # if square root generates decimals, round it to one place  i <- round(i, digits = 1)  #creating vector to load numbers from 2 to 'i'  vec <- c(2:i)  #dividing each number generated by vector by the input number 'n'  d <- n %% (vec)  # check to see if any of the result of division is 0  if ( 0 %in% d)  { print('number is not prime') }  else { print('number is prime') }    }  } |