|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OUTPIUTS:  1.Name: SWATHI  Age: 18  2.Objects in memory:     |  | | --- | | [1] "age" "assign\_grade" "calculate\_means"  [4] "df" "factorial\_calculation" "fibonacci"  [7] "generate\_fibonacci" "i" "limit"  [10] "mean\_20\_60" "n" "name"  [13] "num" "num1" "num2"  [16] "print\_filtered\_rows" "random\_vector" "score"  [19] "seq\_20\_50" "sieve\_of\_eratosthenes" "sum\_51\_91"  [22] "vectors\_list"  Memory usage:    used (Mb) gc trigger (Mb) max used (Mb)  Ncells 681569 36.4 1299284 69.4 1299284 69.4  Vcells 1852294 14.2 8388608 64.0 2281605 17.5 | | 3. Sequence from 20 to 50: 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  Mean of numbers from 20 to 60: 40  Sum of numbers from 51 to 91: 2911 | | |  | | --- | |  | |   4. Random vector: -20 28 0 -37 16 -9 -1 -8 50 -37  5. First 10 Fibonacci numbers: 0 1 1 2 3 5 8 13 21 34  6. Prime numbers up to 15 : 2 3 5 7 11 13  7. FizzBuzz multiples     |  | | --- | | [1] 1  [1] 2  [1] "Fizz"  [1] 4  [1] "Buzz"  [1] "Fizz"  [1] 7  [1] 8  [1] "Fizz"  [1] "Buzz"  [1] 11  [1] "Fizz"  [1] 13  [1] 14  [1] "FizzBuzz"  [1] 16  [1] 17  [1] "Fizz"  [1] 19  [1] "Buzz"  [1] "Fizz"  [1] 22  [1] 23  [1] "Fizz"  [1] "Buzz"  [1] 26  [1] "Fizz"  [1] 28  [1] 29  [1] "FizzBuzz"  [1] 31  [1] 32  [1] "Fizz"  [1] 34  [1] "Buzz"  [1] "Fizz"  [1] 37  [1] 38  [1] "Fizz"  [1] "Buzz"  [1] 41  [1] "Fizz"  [1] 43  [1] 44  [1] "FizzBuzz"  [1] 46  [1] 47  [1] "Fizz"  [1] 49  [1] "Buzz"  [1] "Fizz"  [1] 52  [1] 53  [1] "Fizz"  [1] "Buzz"  [1] 56  [1] "Fizz"  [1] 58  [1] 59  [1] "FizzBuzz"  [1] 61  [1] 62  [1] "Fizz"  [1] 64  [1] "Buzz"  [1] "Fizz"  [1] 67  [1] 68  [1] "Fizz"  [1] "Buzz"  [1] 71  [1] "Fizz"  [1] 73  [1] 74  [1] "FizzBuzz"  [1] 76  [1] 77  [1] "Fizz"  [1] 79  [1] "Buzz"  [1] "Fizz"  [1] 82  [1] 83  [1] "Fizz"  [1] "Buzz"  [1] 86  [1] "Fizz"  [1] 88  [1] 89  [1] "FizzBuzz"  [1] 91  [1] 92  [1] "Fizz"  [1] 94  [1] "Buzz"  [1] "Fizz"  [1] 97  [1] 98  [1] "Fizz"  [1] "Buzz" | |  | | 8.First 10 letters in lowercase: abcdefghij  Last 10 letters in uppercase: QRSTUVWXYZ  Letters from 22nd to 24th in uppercase: VWX  9.Factors of 36 are: 1 2 3 4 6 9 12 18 36  10.   |  | | --- | | Maximum value: 99  Minimum value: 3 | |  | | 11.air quality dataset  Ozone Temp Month Day  21 1 59 5 21  23 4 61 5 23  18 6 57 5 18  76 7 80 7 15  147 7 69 9 24  11 7 74 5 11   |  | | --- | |  |   12. height weight Height\_Factor  1 58 115 58  2 59 117 59  3 60 120 60  4 61 123 61  5 62 126 62  6 63 129 63  7 64 132 64  8 65 135 65  9 66 139 66  10 67 142 67  11 68 146 68  12 69 150 69  13 70 154 70  14 71 159 71  15 72 164 72  13. [1] "C" "E" "J" "K" "N"  14. Dimensions: 150 5  'data.frame': 150 obs. of 5 variables:  $ Sepal.Length: num 5.1 4.9 4.7 4.6 5 5.4 4.6 5 4.4 4.9 ...  $ Sepal.Width : num 3.5 3 3.2 3.1 3.6 3.9 3.4 3.4 2.9 3.1 ...  $ Petal.Length: num 1.4 1.4 1.3 1.5 1.4 1.7 1.4 1.5 1.4 1.5 ...  $ Petal.Width : num 0.2 0.2 0.2 0.2 0.2 0.4 0.3 0.2 0.2 0.1 ...  $ Species : Factor w/ 3 levels "setosa","versicolor",..: 1 1 1 1 1 1 1 1 1 1 ...  Sepal.Length Sepal.Width Petal.Length Petal.Width Species  Min. :4.300 Min. :2.000 Min. :1.000 Min. :0.100 setosa :50  1st Qu.:5.100 1st Qu.:2.800 1st Qu.:1.600 1st Qu.:0.300 versicolor:50  Median :5.800 Median :3.000 Median :4.350 Median :1.300 virginica :50  Mean :5.843 Mean :3.057 Mean :3.758 Mean :1.199  3rd Qu.:6.400 3rd Qu.:3.300 3rd Qu.:5.100 3rd Qu.:1.800  Max. :7.900 Max. :4.400 Max. :6.900 Max. :2.500  Sepal.Length Sepal.Width Petal.Length Petal.Width  0.8280661 0.4358663 1.7652982 0.7622377  Species Sepal.Length Sepal.Width Petal.Length Petal.Width  1 setosa 5.006 3.428 1.462 0.246  2 versicolor 5.936 2.770 4.260 1.326  3 virginica 6.588 2.974 5.552 2.026  0% 25% 50% 75% 100%  2.0 2.8 3.0 3.3 4.4  0% 25% 50% 75% 100%  4.3 5.1 5.8 6.4 7.9 |  |  | | --- | |  | | |
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