R-Class Module 4 Practice Problem 1

1. Create a data.frame called running with the following data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Gender | TenK | PR | Qualified |
| Sally | F | 55 | 52 | FALSE |
| Mike | M | 46 | 44 | TRUE |
| Carol | F | 62 | 58 | FALSE |

1. Add the following column to running

|  |
| --- |
| HalfMarathon |
| 120 |
| 100 |
| 140 |

1. Add the following row to running

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Gender | TenK | PR | Qualified | HalfMarathon |
| Sage | M | 40 | 42 | TRUE | 81 |

R-Class Module 4 Practice Problem 2

1. Create a list new\_list with the following members

-1st member: a vector of length 10 from uniform distribution from -2 to 2

-2nd member: a matrix from 1:10, with 2 rows, 5 columns, fill by row

-3rd member: the running data.frame

2. Add 2 to each element of the first member of new\_list

3. Calculate the sum of the 2nd member of new\_list

4. Remove the 3rd member of new\_list

R-Class Module 4 Practice Problem 3

1. Create a ordered factor mons from the following character vector: c(“March”,“April”,“January”,“November”,“January”,“September”,“October”,“September”,“November”,“August”,“January”,“November”,“November”,“February”,“May”,““July”,“December”,“August”,“August”,“September”,“November”, “February”,“April”)
2. Count the occurrence of each month
3. Create a factor factor\_weight with the weight of women of 2 levels
4. Assign levels of “Low” and “High” to the factor