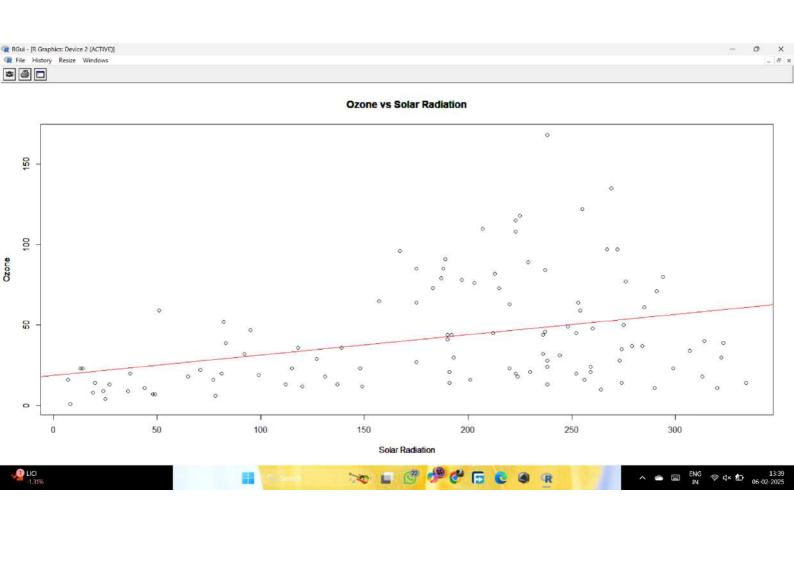
```
> # Create two vectors
> vecl <- c(1, 2, 3, 4, 5, 6)
> vec2 <- c(7, 8, 9, 10, 11, 12)
> # Create an array
> array <- array(c(vec1, vec2), dim = c(3, 3, 2))
>
> # Print the array
> print (array)
, , 1
   [,1] [,2] [,3]
[1,]
     1 4
[2,]
      2
          5
               8
[3,] 3 6 9
, , 2
    [,1] [,2] [,3]
[1,] 10 1
[2,] 11 2
[3,] 12 3 6
```

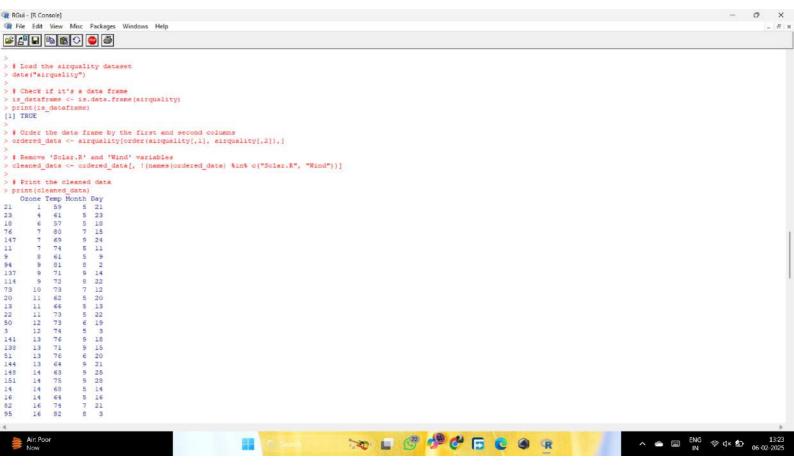


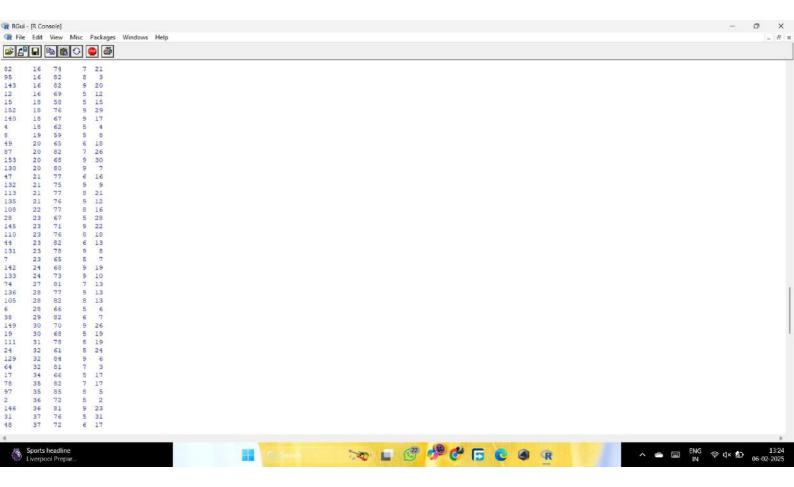
```
> # Create two vectors
> vec1 <- c(1, 2, 3, 4, 5, 6)
> vec2 <- c(7, 8, 9, 10, 11, 12)
> # Create an array
> array <- array(c(vec1, vec2), dim = c(3, 3, 2))
> # Print the array
> print (array)
, , 1
[,1] [,2] [,3]
[1,] 1
         4 7
[2,] 2 5 8
[3,] 3 6 9
, , 2
    [,1] [,2] [,3]
[1,] 10 1 4
[2,] 11 2 5
[3,] 12 3 6
```

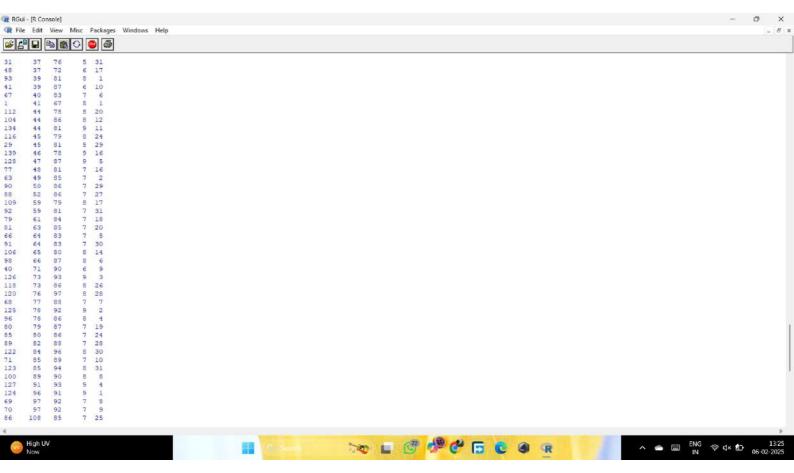
```
> # Create three arrays
> arrayl <- matrix(1:6, nrow = 2)
> array2 <- matrix(7:12, nrow = 2)
> array3 <- matrix(13:18, nrow = 2)
> # Combine arrays
> combined array <- rbind(arrayl, array2, array3)
> # Print the combined array
> print(combined array)
    [,1] [,2] [,3]
[1,]
     1 3
      2
              6
[2,]
           4
      7
[3,]
           9
               11
[4,] 8 10 12
[5,] 13 15 17
[6,]
     14 16 18
>
```

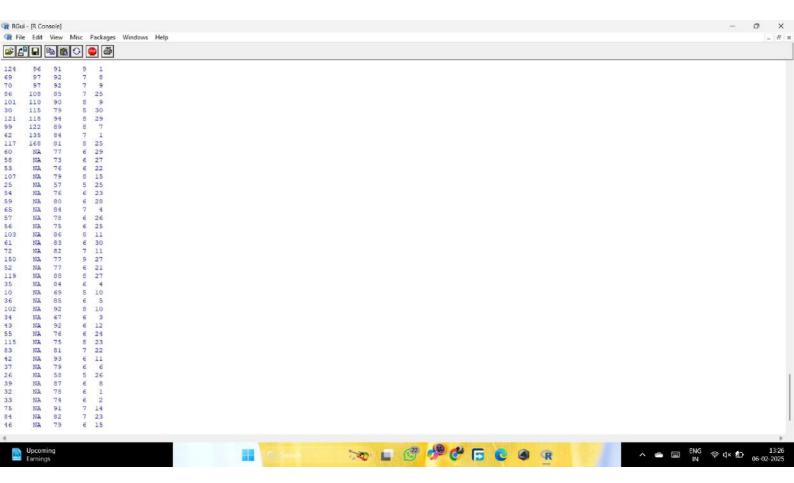
```
> # Create a vector of values
> values <- c(1:24)
> # Create an array
> array <- array(values, dim = c(3, 4, 2))
>
> # Print the array
> print(array)
, , 1
[,1] [,2] [,3] [,4]
[1,] 1 4 7 10
[2,] 2 5 8 11
[3,] 3 6 9 12
, , 2
[,1] [,2] [,3] [,4]
[1,] 13 16 19
                 22
[2,] 14 17 20 23
[3,] 15 18 21 24
```

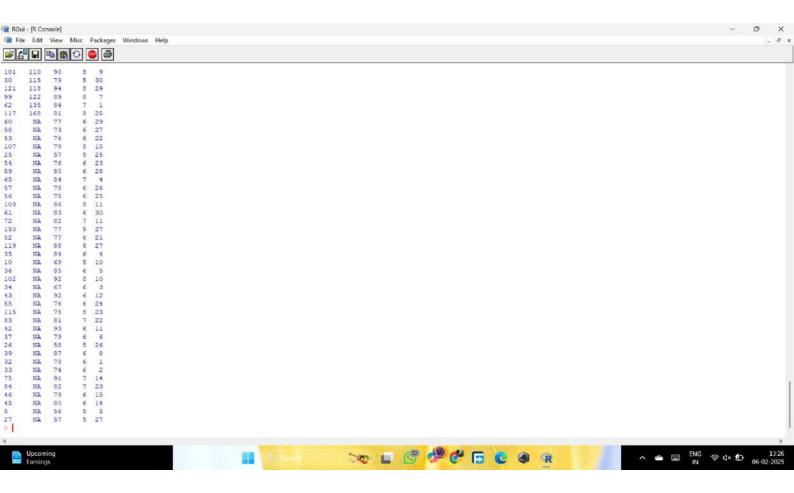
```
> # Create a sequence of even integers greater than 50
> even integers <- seq(52, 82, by = 2)
> # Create an array
> array <- matrix(even integers, nrow = 5, ncol = 3)
Warning message:
In matrix(even integers, nrow = 5, ncol = 3) :
 data length [16] is not a sub-multiple or multiple of the number of rows [5]
> # Print the array
> print (array)
    [,1] [,2] [,3]
[1,]
                72
      52 62
[2,] 54
                74
          64
[3,] 56
         66 76
[4,] 58 68 78
     60 70 80
[5,]
>
```



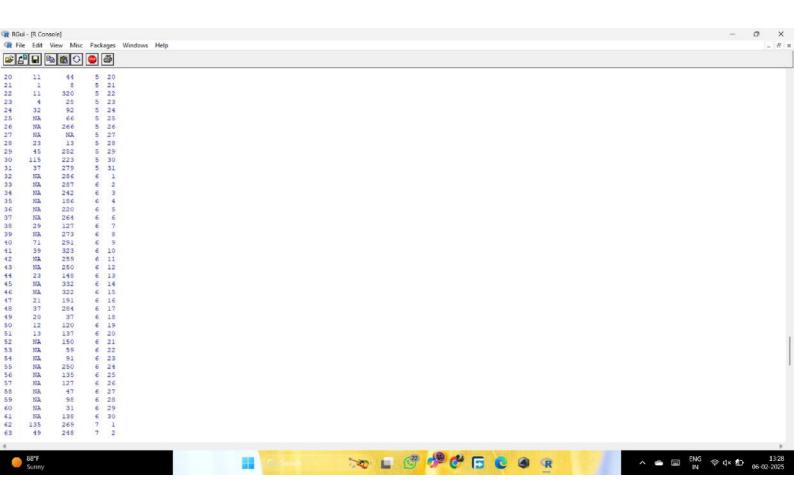


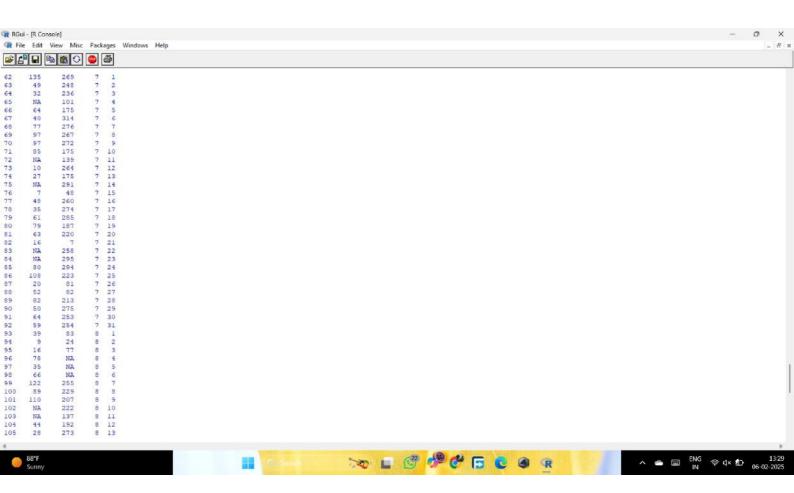


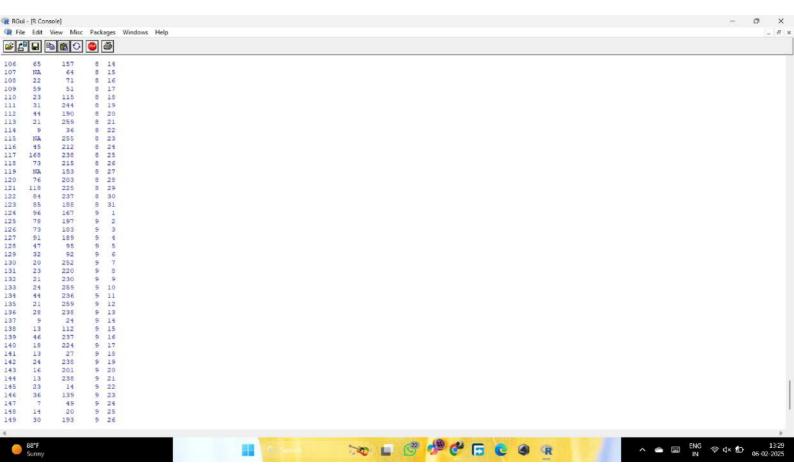


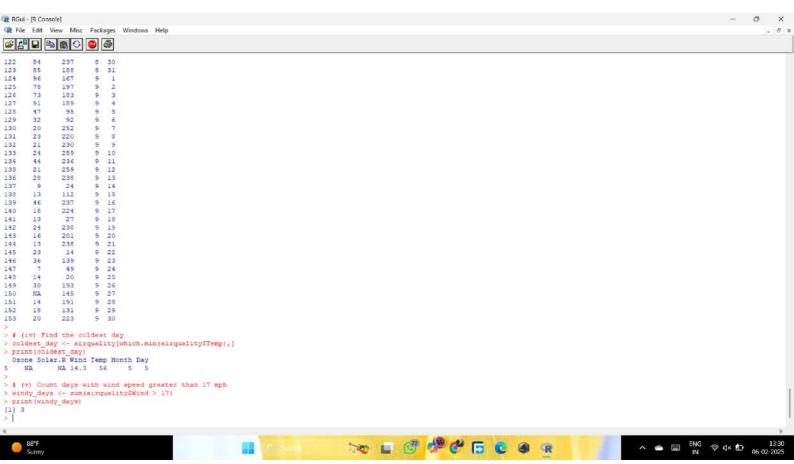


```
> # Load the women dataset
> data("women")
>
> # Create a factor for height
> height_factor <- factor(women$height)
>
> # Print the factor
> print(height_factor)
[1] 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72
Levels: 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72
>
```









RGui - [R Console] R File Edit View Misc Packages Windows Help **26 6 6 6** there is no package called 'stringi' > \$ Load the airquality dataset > data("airquality") > > \$ (i) Summary statistics > # (ii) Melt airquality data set
> melted\_data <- melt(airquality)
Error in melt(airquality) : could not find function "melt"</pre> > print(melted\_data)
Error: object 'melted\_data' not found > \$ (iii) Melt with 'Nonth' and 'Day' as ID variables > melted data with id <- melt(airquality, id.vars = c("Month", "Day")) Error in melt(airquality, id.vars = c("Month", "Day")) : could not find function 'melt" > print(melted\_data\_with\_id) Error: object 'melted\_data\_with\_id' not found > # (iv) Cast the molten data set with respect to month and date features > cast data <- deast(melted\_data\_with\_id, Month + Day - variable)
Error in deast(melted\_data\_with\_id, Month + Day - variable) :
could not find function "deast" > print(cast\_data)
Error: object 'cast\_data' not found > f (v) Compute the average of Ozone, Solar.R, Wind, and Temp per month
> monthly avg <- doast(melted\_data\_with\_id, Month - variable, mean, na.rm = TRUE)
Error in doast(melted\_data\_with\_id, Month - variable, mean, na.rm = TRUE) :
could not find function "doast"
> print(monthly\_avg)
Error: object 'monthly\_avg' not found Breaking news IND vs ENG 1st ^ =

```
RGui - [R Console]
R File Edit View Misc Packages Windows Help
> $ (ii) Apply linear regression
> im_model <- lm(Ozone - Solar.R, data = airquality)
> summary(lm_model)
Call:
lm(formula = Ozone - Solar.R, data = airquality)
Residuals:
Min 10 Median 30 Max
-48.292 -21.361 -8.864 16.373 119.136
Estimate Std. Error t value Pr(>|t|)
(Intercept) 18.59873 6.74790 2.756 0.006856 **
Solar.R 0.12717 0.03278 3.880 0.000179 ***
Signif. codes: 0 **** 0.001 *** 0.01 ** 0.05 *. 0.1 * 1
Residual standard error: 31.33 on 109 degrees of freedom (42 observations deleted due to missingness) Multiple Resquared: 0.1213, Adjusted Resquared: 0.1213 F-statistic: 15.05 on 1 and 109 DF, p-value: 0.0001793
Breaking news
IND vs ENG 1st
                                                           へ BNG 令 Q× か 06-02-2025
```