|  | function (x) primitive ("SIN") |
|--|--------------------------------|
|  |                                |
|  |                                |
| 07 07 07 07 07 07 07 07 07 07 07 07 07 0   |                                |
|  | LL h 1 ]                       |
|  |                                |
|  | [172]                          |
|  | [[37]                          |
|  |                                |
| >print(list1)  |                                |
| > Dist 1 <- list(c(2, 4, 8), 1, 2, 3, 5 m)   |                                |
| 2  | C 4 2 C L L 2 J                |
| For List -   |                                |
|  | Output -                       |
| 1 1  |                                |
| 1  |                                |
| For Bails commandy - "   |                                |
| Andribus   | curput - [1] "Good Morning!"   |
| Using R execute the ball command, array, list and  |                                |
| Dreichled - 1  |                                |
| Date:  |                                |
| Page no .  |                                |
| The state of the s |                                |

| 7 print (BMI)                                 | 1     |              | female     | ť۰               |
|---|-------|--------------|------------|------------------|
| 100   |       | 180.0        | And A      | ع د              |
| # Age = C(14, 16, 20, 17)                     | -08   | I Dried      | temale     | , <u> </u>       |
| 20,51   |       |              |            |                  |
| (5.2 . 170.0)                                 |       | height will. | gender     |                  |
| BMI 1-data. frame ("Gmali" "Comali" "Comale") |       |              |            |                  |
|   |       |              |            | 3                |
|   |       |              |            |                  |
|   | £ (*) | "no"         | [3,] "no"  |                  |
|   |       | 1, 10 m      | [2/] "     |                  |
|   |       |              | 70"        |                  |
|   |       | [2] [3]      | 1,1,1      |                  |
|   |       |              | 3          |                  |
|   |       | ish is in    | [3, ] "44" |                  |
|   |       | 3 3          |            |                  |
| > print(A) / (10), olm = (1312)               |       | [,2] [,3]    | [7.7]      |                  |
| C(140) 1501)                                  |       |              | 1 - 1      |                  |
| For Array                                     |       |              | Output-    |                  |
| Date:   |       |              |            |                  |
| Page no:                                      |       |              |            | Sallen<br>Market |

| Output-<br>[1] 3.0 2.2 2.0  | Output - LIJ 264.  |  | 0. 8.0 -0.5 ETJ -4ndmo  | Output- [1] 11.0 5.2 10.0                               |   |
|---|--|--|---|---|---|
| $ey_{0<-c(3,5:2,6)}$ $ey_{0<-c(3,5:2,6)}$ $ey_{0<-c(3,5:2,6)}$ $ey_{0<-c(3,5:2,6)}$ | $\frac{d}{d} \frac{1}{d} \frac{1}$ | c) $p < -c(3,2,2,6)$<br>q < -c(8,3,4)<br>pint(p*q) | b) $p \leftarrow c(3, 2.2, 6)$<br>$p \neq c \leftarrow c(8,3,4)$<br>$p \Rightarrow q \leftarrow c(8,3,4)$ | α) *ρ<-c(3, 2, 2, ε)<br>γ α <-c(3, 3, 4)<br>γ ανα (ρ+γ) | 2. Create a matrix using R perform the operations addition, invested and mustiplication operations. |

| SAMPAI<br>Margarenan         |                                |                  |           |            |                |  |
|------------------------------|--------------------------------|------------------|-----------|------------|----------------|--|
|                              |                                |                  | A Marie D |            |                |  |
|                              |                                |                  |           | [6]        |                |  |
|                              |                                | -                |           | 89         | [1] 53         |  |
|                              | 1=m 1. ~/. +(m)                | 7 2 m nt (+)     |           | ۲,27       |                |  |
| ow = 2, n.co/=3, byrow =TRUE | n=manx(c(1,6,4,1,12,4), nrow=2 | c) x M = mam     |           |            | Owhut-         | 1.5                                    |
|                              | 3 + 4 1 2                      |                  | (3,8,2)   |            |                |  |
|                              | らいま)                           | 10               |           |            |                |  |
|                              | 101. +)                        | 1                |           | ^          | 12J 7KU6       |  |
|                              |                                | 7 1-1:10         |           | S.C.       | TIJ FALSE      |  |
|                              |                                | b) x P <- 12     |           |            | 0mpm-          |  |
|                              |                                |                  |           |            |                |  |
|                              |                                |                  |           |            |                | Note of                                |
|                              |                                | a) 40 x 4:10     |           | 01 6 8 4 3 | 2 4 [12 mg/m   | STARTER                                |
|                              |                                |                  |           |            |                |  |
|                              | of Operation -                 | => For transpose |           |            |                |  |
|                              |                                |                  |           |            |                |  |
| 4                            | V                              | 1 ( p vg )       |           |            |                |  |
|                              |                                | 9> p <- c(3,2,1) |           | <b>+</b>   |                | */************************************ |
|                              |                                |                  |           |            | Output - pup a | C                                      |
|                              |                                | -1 dy 1. 1. 1. d |           |            |                |  |
|                              |                                | 110              |           | P          | Cupa CIJ 3 J   |  |
|                              |                                |                  | 0)        |            |                | 3                                      |
| Page no:                     | Da                             |                  |           |            |                |  |

| (sode-<br>Regult: mean (x)  print (Rosut: mean)  (c) And the Mean of 12, 7, 3, 4, 2, 18, 2, 54, -21, 8, -5, NA)  Regult: mean (x)  |          | UNITED - mdm0  |
|--|----------|----------------|
| (ode-<br>& <-c(12,7,3,4,2,18,2,54,-21,8,-5)<br>Rejult-mean <- mean (21, him =0.3)<br>print (Rejult-mean)   |          |                |
| b) Find the mean of 12, 7, 3, 4, 2, 18, 2, 54, -21, 8, -5 applying thim option.  | 60       | 8 - 17 4.8     |
| (6de-<br>> xx-c(12,1,3,4,2,18,-2,54,-21,8,-5)<br>> Result. man <- mean(x)<br>> print (Result. man)   |          |                |
| (2, 7, 3, 4, 2, 18; 2, 54,   | 7.636364 | 0.t [t] -molmo |
| Date: Page no:  Date: Da |          |                |

| A SAMPAT<br>Improvement                              | A The contribution  |
|--|---|
| print (result)                                       |   |
| B <- C("O", "it", "the", "it", "it")                 | Oupul- [1] "II"   |
| print (regult)                                       |   |
| y<-C(2,1,2,3,1,2,3,4,1,5,5,3,2,2,3)                  |   |
| migr [which max (tabulate (motth (V, unigr)))]       | Chow ( Marking of )   |
| uniqu <- unique(V)                                   | Add to be the contract of the |
| getmode <- function (V) {                            | C1 J 2  |
| 9) Had the mode of 2,1,2,3,1,2,3,4,15,5,3,2,2,3      | ()wfput-  |
|  |   |
| => for Mode -  |   |
|  |   |
| print (median. regult)                               |   |
| median. repult <- median (I)                         |   |
| Code   |   |
| 9) Find the median of 12, 7,3,4,2, 16,2,54,-21,8,-5. | Output-   |
| =) for median-                                       |   |
| Jestica ( reduct. Incom)                             |   |
| rejult, mean <- mean (x, na, rm = TRUE)              | Output [1] 7.636364   |
| Date://  |   |
| Page no.:  |   |

Ouput-Output- [1] 3.5 1 And the range for Interquartile Rangefind the interquartile range (pdg-Range duration = faithful semption max(duretion) - min (duration) duration = faithful seruption JOR (duration) of the exuption duration in the 9 eruption duration