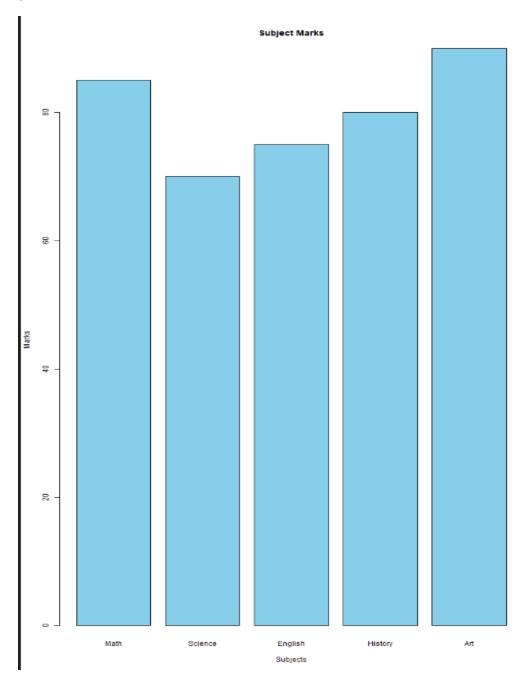
```
1.1 Output:
[1] 2 5 9 14 20

1.2 Output:
[1] 10
[1] 9
[1] 8
[1] 7
[1] 6
[1] 5
[1] 4
[1] 3
[1] 2
[1] 1
[1] 10 9 8 7 6 5 4 3 2 1
```

```
2.1 Output:
Enter the name :name
Enter the age:20
Name: name
Age: 20
R version: R version 4.3.2 (2023-10-31 ucrt)
2.2 Output:
Objects in memory:
                  "cumulative_sum" "i"
[1] "age"
                                                    "name"
[5] "numbers" "rev_numbers"
                                                     "v"
                                   "x"
[9] "z"
Details of objects:
2.3 Output:
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
> [
```



```
4.1 Output:
Unique elements of the given string: h e l o w r d
Unique elements of the given vector: 1 2 3 4 5 6
4.2 Output:
a b c
[1,] 1 4 7
[2,] 2 5 8
[3,] 3 6 9
4.3 Output:
  [,1] [,2] [,3]
[1,] 1 2 3
[2,] 4 5 6
[3,] 7 8 9
4.4 Output:
[1] 10 20 30
4.5 Output:
[1] 4 10 18
4.6 Output:
Sum of the vector: 13
Mean of the vector: 3.25
Product of the vector: 48
```

```
5.1 Output:
5x4 Matrix filled by rows:
     Col 1 Col 2 Col 3 Col 4
Row 2
             6
                        8
Row 3
                 11
            10
                        12
Row 4
        13
             14
                   15
                        16
Row 5
        17
             18
                  19
                        20
3x3 Matrix filled by columns:
     Col X Col Y Col Z
       21
            24 27
Row A
Row B
        22
             25
                   28
Row C 23
           26
                   29
2x2 Matrix filled by columns:
  Col A Col B
        30
Row I
              31
              33
Row II
        32
5.2 Output:
    [,1] [,2] [,3]
[1,] 52
         62 72
[2,] 54
          64
              74
[3,]
      56
          66
               76
[4,]
     58 68
               78
[5,]
     60 70 80
5.3 Output:
Row and column index of maximum value: 3 3
```

Row and column index of minimum value: 1 1

```
7.1 Output:
data frame with 0 columns and 0 rows
7.2 Output:
 Column1 Column2 Column3 Column4
     A 1 TRUE 3.140
     В
2
                FALSE 2.718
     С
            3 TRUE 1.618
7.3 Output:
Duplicated elements:
 Column1 Column2
      В
            2
      Α
            1
Unique rows:
 Column1 Column2
           1
2
      В
            2
3
     С
5
     D
            4
7.4 Output:
 Name Age Score
1 John 25
           85
2 Alice 30
           92
3 Bob 28 88
```

```
8.1 Output:
[1] "First element:"
[1] 1 2 3
[1] "Second element:"
    [,1] [,2] [,3]
[1,] 1 3 5
[2,] 2 4 6
8.2 Output:
$MyVector
[1] 1 2 3
$MyNestedList
$MyNestedList$a
[1] 10
$MyNestedList$b
[1] 20
8.3 Output:
[1] 20
8.4 Output:
$a
[1] 1
$b
[1] 2
$с
[1] 3
$x
[1] "apple"
 [1] "banana"
```

[1] "E" "F" "G" "H" "I" "J" "K" "L" "M" "N" "O" "P" "Q" "R" "S"

[1] "orange"

8.5 Output:

```
8.6 Output:
$a
[1] 1
$b
[1] 2
$c
[1] 3
> [
```

```
9.1 Output:
[1] "A" "B" "C"

9.2 Output:
[1] January February March April May June July
[8] August September October November December
12 Levels: January < February < March < April < May < June < ... < December

9.3 Output:
[1] A B C A D E F D
Levels: A B C D E F
>
```