Data Science Lab Assignment 1

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```r
1   # 1. Assign and print the values 23.4, 45 and 678 to the variables
2   # A, B, C.
3   A = 23.4
4   B = 45
5   C = 678
6
7   # 2. Display the entire variable you have created on the screen.
8   print(paste("A = ",A))
9   print(paste("B = ",B))
10  print(paste("C = ",C))
11
12  # 3. Remove the variable C and display the list.
13  rm(C)
14  list = c(A,B)
15  print(list)
16
17  # 4. Create a comment "I am learning R"
18  # I am learning R
19
20  # 5. Create strings firstname and lastname as "MyName" and "MySurname"
21  firstname = "MyName"
22  lastname = "MySurname"
23  firstname
24  lastname
25
26  # 6. Create the variable that can hold a value as 0 or 1.
27  binary_var <- 1
28  binary_var <- 0
```

```r
30  # 7. Perform the operation as +, -, * and / on variables A, B, C together.
31  sum = A + B + C
32  diff = A - B - C
33  mul = A * B * C
34  div = A / B / C
35
36  print(sum)
37  print(diff)
38  print(mul)
39  print(div)
40
41
42  # 8. Apply the following functions on some values:
43  #     Exp(), log(), log10(), log2(), pi, sqrt()
44  val = 5
45  print(exp(val))
46  print(log(val))
47  print(log10(val))
48  print(log2(val))
49  print(pi)
50
51  # 9. Write the statement to solve the following expressions:
52  #    1. 23 + (4.5 * 2.3) / 10
53  #    2. 456 / 12 - log(90)
54  #    3. Exp(5) + 12 / (5 ^ 6)
55  #    4. √45 * 12/3
56  print(23 + (4.5*2.3)/10)
57  print(456/12 - log(90))
58  print(exp(5)+12/(5^6))
59  print(sqrt(45)*12/3)
```