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Lab Assignment - 2 (IA2 - DOS: 1.2.22) DATE: 16.1.22
By: JONATHAN RUFUS SAMUEL (20BCT0332) - CSE3020 - SIX L43-L44
Q1: z = sea (3,6, by = 6.1)
     expn = exp(x) * cos (x)
     Print (a value of data: ")
     print (eaps)
Q2: a= ((2.1,3,4,2.5,2.7,2.9)
       b = c (0.3,0.5,0.6,0.9, 1.1)
      co = con (a,b)
      point (co)
      vol = (L)
       for ( i in 1. lungth (a)
        [i] = * (s[[i]d) * +1.8 = [i]low }
        print (vol)
Q3:
            library (expm)
            vector 1 C c (NA, NA, NA, NA, NA)
            vector 2 = c (NA, NA, NA, NA, NA)
            ara = array (c (rector), rector 2), dim = c (5,5,2))
            ( run) triung
            for (k in 1:5)
             { for (; in 1.5)
                    for ( ; vi 1:5)
                        x = floor (nurif (1, min = ?, max = 15))
                        avor [i, i, k] = x
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print (arx [,, 1] * arx [,, 2])
  print (and [., 1] 1/ * / ban[, 1]
  print (arr [., 1]1. * /. arr [., 2])
      ara [2,4,1] = 0
     ans [5,3,1] =0
   ([1, ] res ) trived
     notate = + (apply (arm [., 1], 2, nev))
      print (notate)
      privat (200 [1,3,1])
 m = $1000 (200200 (100, 1, 100))
 print (m) # List of random murabars in mormal distribution
 t = toable (m)
 print (+) # Count of each volve's occurrences
a = c(5,3,4,-1,-3,0)
print (a)
print (type of (a))
b = c (" Happy", " Sad")
 privat (b)
 print (typed (b))
(= ( True, True, True, False, True, False)
 print (c)
 print (typed (c))
 m = floor (runoum (100000, 500, 100))
  t = table (m)
   borphot (+)
list_data: list ("Crey", "C++", TRUE, (5,6,3), 125.17)
 print (list-dita)
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Q4:

Q5:

Q6:

Q7:

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neuro : as. integes (readline (prompt. "Enter a Number: "))
Q8:
            Swm =
            temp = mura
             while (temp 70) {
                 digit : temp 7.7.10
                  sum=+ sum + (digit ~3)
                  temp = floor (temp 10)
               if (wmu == smu) {
                  print (" Annstrong") 3
                else & print ("Not Aromstrong")}
              x = as. vileges (readline (prompt = "Enter number of terms:"))
               Fibonacci = municia (21)
               Fibonacci [1] = 0
               Fibonacci [2] = fibonacci [3] = 1
               for (i in 4:x) Fibomaci [i] = Fibomaci [i-2] + Fibomaci [i-1]
                print (Fibonacci)
                a = array (seq (from = 50, length.out = 15, by = 2), c (5,3))
Q9:
                 print (a)
                x= c(1,2,3)
Q10:
               4 = ((0,1,4)
                print (a Original Vectors")
                print (x)
                print (" Addition of 2 Vectors") 3 = x+y
                print (y)
               print (3)
```