Mary Maina – Lesson 1

'Q1.0 First line of R consul window

R version 3.3.2 (2016-10-31) -- "Sincere Pumpkin Patch"

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Platform: x86\_64-w64-mingw32/x64 (64-bit)

'Q1.1 Cube root of 2015

> 2015^(1/3)

[1] 12.63063

'Q1.2 Absolute value

> abs(5.7-6.8/.58)

[1] 6.024138

'Q1.3 Integers from 1 to 12

> a = 1:12

> a

[1] 1 2 3 4 5 6 7 8 9 10 11 12

'Q1.4 Sequence of odd numbers from 1 to 11

> b =c(1, 3, 5, 7, 9, 11)

> b

[1] 1 3 5 7 9 11

'Q1.5 Same sequence in another way

> c = seq(1,11,2)

> c

[1] 1 3 5 7 9 11

'Q1.6 The natural log(In) of a.

> in.a = log(a)

> in.a

[1] 0.0000000 0.6931472 1.0986123 1.3862944 1.6094379 1.7917595 1.9459101 2.0794415 2.1972246

[10] 2.3025851 2.3978953 2.4849066

|  |
| --- |
| 'Q1.7 Squares of the odd numbers from 1 to 11  > help("sqrt")  >> sqrt(1)  [1] 1  > sqrt(3)  [1] 1.732051  > sqrt(5)  [1] 2.236068  > sqrt(7)  [1] 2.645751  > sqrt(9)  [1] 3  > sqrt(11)  [1] 3.316625 |
|  |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | 'Q1.8 ?sd to view help file for the sd function.  Standard Deviation  **Description**  This function computes the standard deviation of the values in x. If na.rm is TRUE then missing values are removed before computation proceeds.  'Q1.9 Variable name that contains first name.  > Name = "Mary Maina"  > Name  [1] "Mary Maina"   |  | | --- | | > paste("My name is, Name")  [1] "My name is, Name" | |  | | |  | | --- | | > | | | |