Worksheet#2

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#1a seq <-c(-5:5) seq #It displays the negative and positive numbers, then it displays the 0 in between the negative and positive number.

#1b x <- 1:7 x

#2 seq(1,3) seq(1, 3, 0.2) #specifies that in every number you need to jump by 0.2

#3a workers <- c(34, 28, 22, 36, 27, 18, 52, 39, 42, 29, 35, 31, 27, 22, 37, 34, 19, 20, 57, 49, 50, 37, 46, 25, 17, 37, 43, 53, 41, 51, 35, 24,33, 41, 53, 40, 18, 44, 38, 41, 48, 27, 39, 19, 30, 61, 54, 58, 26, 18.) workers workers [3] #it's value is 22

#3b workers [2] #it's value is 28 workers [4] #it's value is 36

#3c workers[2:50]

#4a #4. r <- c("first"=3, "second"=0, "third"=9) r #4.a
r[c("first", "third")] #The output displays only the "first" and "third" variables using array #4.b r <- c("first"=3, "second"=0, "third"=9) r

r[c("first", "third")]

#5a num5 <- c(-3:2) num5

num5[2] <- 0 num5 #The second element in the array was changed to 0 and the result is when it is sequenced, the -2 was changed to 0

#5b num5 <- c(-3:2) num5

num5[2] <- 0 num5

#6a month <- c("Jan", "Feb", "March", "Apr", "May", "June") Price_per_liter_php <- c(52.50, 57.25, 60.00, 65.00, 74.25, 54.00) Purchase_quantity_liter <- c(25, 30, 40, 50, 10, 45)

data_frame <- data.frame(month, Price_per_liter_php, Purchase_quantity_liter) data_frame

#6b weighted.mean(Price_per_liter_php, Purchase_quantity_liter)

#7a data <- c(length(rivers), sum(rivers), mean(rivers), median(rivers), var(rivers), sd(rivers), min(rivers), max(rivers)) data

#8 PowerRanking <- 1:25 CelebrityName <- c("Tom Cruise", "Rolling Stones", "Oprah Winfrey", "U2", "Tiger Woods", "Steven Spielberg", "Howard Stern", "50 Cent", "Cast of the sopranos", "Dan Brown", "Bruce Springsteen", "Donald Trump", "Muhammad Ali", "Paul McCartney", "George Lucas", "Elton John", "David Letterman", "Phil Mickelson", "J.K Rowling", "Bradd Pitt", "Peter Jackson", "Dr. Phil McGraw", "Jay Lenon", "Celine Dion", "Kobe Bryant") Pay <- c(67, 90, 225, 110, 90, 332, 302, 41, 52, 88, 55, 44, 55, 40, 233, 34, 40, 47, 75, 25, 39, 45, 32, 40, 31)

Data_Ranking <- data.frame(PowerRanking, CelebrityName, Pay) Data_Ranking

#8b PowerRanking [19] <- 15 PowerRanking Pay [19] <- 90 Pay

#8c Magazine_Ranking <- data.frame(PowerRanking, CelebrityName, Pay) Magazine_Ranking