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|  | **Sana Rasheed R programming Practice Question on Github** |
|  | **### Question 1** |
|  | **\*\*Create the variables with the following composition:\*\*** |
|  | **1. A vector containing each letter of your first name as its elements.** |
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|  | **2. A variable that contains your name concatenated from the vector created in (1)** |
|  | **3. A variable containing a sequence from 100 to 120.** |
|  | **4. Create a matrix of 3x3 dimensions that contains the even sequence of numbers starting from 2.** |
|  | **5. Assign names to the variables.** |
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Answers in the form of R Coding:

1.my\_name<-c("F and S")

Print(my\_name)

2.name\_is<-c("Fatima Saeed")

print(name\_is)

3.seq (from= 100,to=120,by=1)

sequence <- 100:120

print(sequence)

4. matrix(c(2, 4, 6, 8, 10, 12, 14, 16, 18), nrow = 3, ncol = 3, byrow = TRUE)

5.our\_names<-("fatima,Haseeb,Mohsin,Waseem")

print(our\_names)

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| **Question 02** |
|  | **\*\*Create a factor variable emp\_status:\*\*** |
|  | **1. Containing the categorical variables: Employed, Unemployed, Self-Employed, with each level appearing atleast more than 2.** |
|  | **2. Display the levels and the factor variable as a table.** |
|  | **3. Unclass the elements of the factor variable.** |

1. x <- c(rep("Employed", 3), rep("Unemployed", 3), rep("Self-Employed", 3))

print(x)

1. table(x\_factors)
2. x\_characters <- as.character(x\_factors)

print(x\_characters)

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