

## Practice 1

1. Create Dataframe (df) combining the following vectors

```
numvec = c(2,5,8,9,0,6,7,8,4,5,7,11)
charvec = c("David","James","Sara","Tim","Pierre","Janice","Sara","Priya","Keith",
"Mark", "Apple", "Sara")
gender = c("M","M","F","M","M","M","F","F","F","M","M","F")
state = c("CO","KS","CA","IA","MO","FL","CA","CO","FL","CA","WY","AZ")
```

Subset dataframe using the following operations

- a. numvec<5
  - b. charvec = "Sara"
  - c. Display (names, state) for numvec = 5
  - d. charvec != "Sara" & gender == "F" & numvec > 5
2. Create Dataframe (df2)

	Gender	Age
1	M	22
2	F	35
3	M	43
4	F	52
5	M	58
6	F	23
7	M	36
8	F	46
9	M	39
10	F	31

Create a vector 'coffee' which contains the number of cups of coffee each person drank today.

```
coffee = (3, 1, 2, 5, 0, 2, 0, 1, 3, 2)
```

- a. Add the coffee vector into the dataframe to form a single combined dataframe.
- b. Subset only 2<sup>nd</sup> column from the dataframe.
- c. Subset rows (1, 3, 8) from the dataframe.