R STUDIO – EXERCISE 1

QUESTION 1

Create a vector with 15 data points and find mean,median and standard deviation for the vector.

```
> x = c(seq(10,52,3))
> x
```
[1] 10 13 16 19 22 25 28 31 34 37 40 43 46 49 52

```
> mean(x)
```
[1] 31

```
> median(x)
```
[1] 31

```
> sd(x)
```
[1] 13.41641

QUESTION 2

Create a data frame with 5 fields

```
> courseCode = c("CSE1002", "CSE1003", "MAT2001", "MAT2002", "CHY1002")
> slot = c("L49+L50", "F1 + L5+L6", "C1 + TC1", "B1 + TB1", "D1")

> faculty = c("Ma'am Janaki Meena", "Ma'am Maheshwari R", "Ma'am S Radha",
"Ma'am Kalyani", "Sir Arockiasamy S")

> credits = c(3,3,4,4,2)
> embeddedProject = c("No", "Yes", "No", "No", "Yes")

> courses = data.frame(courseCode, slot, faculty, credits,
embeddedProject)

> colnames(courses)<-c("Course code", "Slot", "Faculty name", "Credits",
"Embedded project")
```

```
> courses
```

	Course code	Slot	Faculty name	Credits	Embedded project
1	CSE1002	L49+L50	Ma'am Janaki Meena	3	No
2	CSE1003	F1 + L5+L6	Ma'am Maheshwari R	3	Yes
3	MAT2001	C1 + TC1	Ma'am S Radha	4	No
4	MAT2002	B1 + TB1	Ma'am Kalyani	4	No
5	CHY1002	D1	Sir Arockiasamy S	2	Yes