ACADGILD ASSIGNMENT 5.3

1. Test whether two vectors are exactly equal (element by element)

vec1 = c(rownames(mtcars[1:15,]))
vec2 = c(rownames(mtcars[11:25,]))

ANSWER:

```
isTRUE(all.equal(vec1,vec2)) # returns true/false
identical(vec1,vec2)        # returns true/false
all.equal(vec1,vec2)        # returns number of differences
```

2. Sort the character vector in ascending order and descending order

vec1 = c(rownames(mtcars[1:15,]))
vec2 = c(rownames(mtcars[11:25,]))

ANSWER:

```
# vec1 in ascending order
sort(vec1)
sort(vec2)

# vec1 in descending order
sort(vec1, decreasing = TRUE)
sort(vec2, decreasing = TRUE)
```

3. What is the major difference between str c() and paste()

show an example.

ANSWER:

```
#returns the value, class and number of elements
str(vec1)

#returns the value only(or just prints)
paste(vec1)
```

```
mode(str(vec1))
mode(paste(vec1))
class(str(vec1))
class(paste(vec1))
```

4. Introduce a separator when concatenating the strings

ANSWER:

```
x<-c("1","2","3")
y<-c("A","B","C")
paste(x,y)
paste(x,y,sep = ",")
paste(x,y,sep = "-")
```