

# SESSION 3: FOUNDATIONAL R PROGRAMMING

## Assignment 4

### Problem Statement

A. Implement user defined functions within apply function using the mtcars data set and produce column wise summary statistics using apply function and mtcars dataset.

B. write a program to extract the names of the list.

```
output <- vector("double", ncol(mtcars))
```

```
names(output) <- names(mtcars)
```

```
for (i in names(mtcars)) {
```

```
  output[i] <- mean(mtcars[[i]])
```

```
}
```

```
output
```