University of Central Punjab

ASSIGNMENT # 3

1. iris

```
iris[seq(1:6),]
```

2. max(iris$Sepal.Length)
   min(iris$Sepal.Length)
   mean(iris$Sepal.Length)
3. hist(iris$Petal.Length)
4. data<-(1:10)

```
ifelse (data%%2 ,"Odd","Even")
```

5. for (c in 1:5){ print(c^2)}
6. sum<-0

```
i<-1
while (sum<=50){
 sum<-sum+i
 i<-i+1
}
print (sum)
```

7. factorial_fn <- function(n){

```
 result<-1
 for(i in 1:n){
   result<-result*i}
 print (result)}
factorial_fn(5)
```

8. result<-1

```
factorial_fn <- function(n){
    for(i in 1:n){
      result<-result*i}
   print (result)}
sapply(1:6, factorial_function )
```

9.
```
vector<-c(1:10)
names<-c("Ali","Eshah","Mussa")
    matrix<-matrix(1:10,nrow=5)
    my_list<-list(vector=vector,
                  character_vector=names,
                      matrix=matrix)
```
10.
```
lapply(my_list,length)
```