- Q.1 Write a function to print Fibonacci series.
- Q2. Write the sql command to answer the following questions in r
- a. Display the rows when the variables time is 7.
- b.find the Row Values when the column hp contains values 93 in mtcars dataset.
- c. Count the different gear values in mtcars dataset.

Ans:

Fibonacci series is the series where we add two previos number of the present number if there addition is same as the present data the it is in Fibonacci series.

```
> fibbo=function(n)
  {
+ x < -c(0,1)
+ while (length(x)<n)
+ pos<-length(x)
+ new<-x[pos]+x[pos-1]
+ x<-c(x,new)
+ return(x)
> fibbo
function(n)
X < -c(0,1)
while (length(x) < n)
pos < -length(x)
new < -x[pos] + x[pos-1]
x < -c(x, new)
return(x)
> fibbo(5)
[1] 0 1 1 2 3
```

a. The output of time =7Of Bod dataset

```
> sqldf('select * from BOD where "Time"==7')
Time demand
1 7 19.8
```

B. output of Column = hp (condition) = values 93 in mtcars

```
> sqldf('select * from mtcars where "hp"==93')
mpg cyl disp hp drat wt qsec vs am gear carb
1 22.8  4 108 93 3.85 2.32 18.61 1 1 4 1
```

C. what are the different gears in the datset output of that.