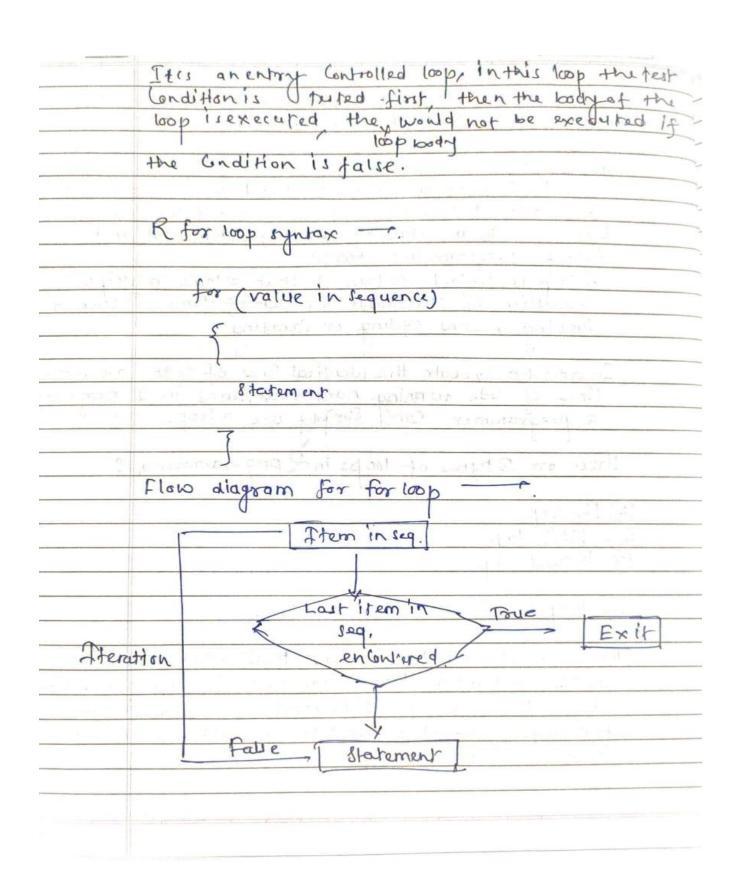
Data Analysis using R programming

Experiment No. 02

	Experiment No. U2
	PAGENO,:
	AIM - With a O/
_	AIM - Write a R/python program to extract and get the first 10 Fibbonacci numbers.
_	me fint 10 Hibbonacci numbers.
_	
_	TD
	Theory - In R programming, we need a Control struct- ure to run the block of code multiple times.
	ure to run the block of code multiple times.
	Loops Gomes in the class of most fundamental and
	Strong programming Gnoelots.
	A loop is Control statement that allows multiple
	execution of statements or set of items. The word
_	looping mean cycling or iterating.
	In order to execute the identical lines of code numerou
	lines of code ruming numerous times in a program
	a programmer can Simply use a loop.
	1 D programming o
	Three are 3 types of 100 ps in R programming?
	(1) For loop
	6) while bop
	(B) Repeat loop
	for loop
	I showen't that enabled one to
	The type of Control statement that enables one to
	The type of Control statement that has to sun statement easily Contract a loop that has to sun statement.
	easing Contracto loop that has to run statements of Contracto loop that has to run statements on the times. Not of Set of Istatements on whiple times. For leop is would wed to iterate over irun. In a sequence.
	for leop's wealth were
	in a sequence



Program Code:

```
Fibonacci <- numeric(10)
Fibonacci[1] <- Fibonacci[2] <- 1
for (i in 3:10) Fibonacci[i] <- Fibonacci[i - 2] + Fibonacci[i - 1]
print("First 10 Fibonacci numbers:")
print(Fibonacci)
```

Program Output:

```
Console Terminal × Jobs ×

R4.1.2 · -/ 
> source("R:/GHRCEM/R Programming Language/Fibonacci.R")

[1] "First 10 Fibonacci numbers:"

[1] 1 1 2 3 5 8 13 21 34 55
>
```