

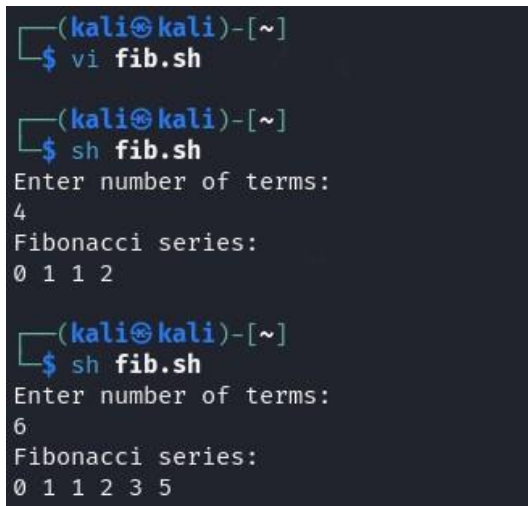
EX.NO:3B DATE: SHELL SCRIPT

AIM: To write a Shell script to generate a Fibonacci series using for loop.

PROGRAM:

```
echo "Enter number of terms:"
read n
a=0 b=1
echo "Fibonacci series: "
echo -n "$a $b" for i in
$(seq 3 $n); do c=$((a +
b)) echo -n " $c" a=$b
b=$c done echo
```

INPUT & OUTPUT:

A screenshot of a terminal window on a Kali Linux system. The prompt is (kali㉿kali)-[~]. The user enters 'vi fib.sh' to edit the script. Then, they enter 'sh fib.sh' to execute it. The script prompts 'Enter number of terms:' and the user enters '4'. The output is 'Fibonacci series: 0 1 1 2'. The user then runs the script again with 'sh fib.sh', enters '6' for the number of terms, and the output is 'Fibonacci series: 0 1 1 2 3 5'.

```
(kali㉿kali)-[~]
$ vi fib.sh

(kali㉿kali)-[~]
$ sh fib.sh
Enter number of terms:
4
Fibonacci series:
0 1 1 2

(kali㉿kali)-[~]
$ sh fib.sh
Enter number of terms:
6
Fibonacci series:
0 1 1 2 3 5
```

RESULT: Hence, Fibonacci series using shell script is executed successfully.