K. D. POLYTECHNIC, PATAN

Department of Computer Engineering

SEMESTER - 3

BASIC OF OPERATING SYSTEM (4330703)

PROJECT MEMBER:

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Shell script to find Fibbonacci series.

```bash
#!/bin/bash

echo "Enter the number of terms for Fibonacci series: "
read n

a=0
b=1
counter=0

echo "Fibonacci series for $n terms:"

while [ $counter -lt $n ]; do
  echo -n "$a "

  # Calculate the next term
  next=$((a + b))

  # Update values for the next iteration
  a=$b
  b=$next

  ((counter++))
done

echo    # Move to the next line after the series
```

OUTPUT:-

```
$ #!/bin/bash

echo "Enter the number of terms for Fibonacci series: "
read n

a=0
b=1
counter=0

echo "Fibonacci series for $n terms:"

while [ $counter -lt $n ]; do
  echo -n "$a "

  # Calculate the next term
  next=$((a + b))

  # Update values for the next iteration
  a=$b
  b=$next

  ((counter++))
done

echo    # Move to the next line after the series
Enter the number of terms for Fibonacci series:
10
Fibonacci series for 10 terms:
0 1 1 2 3 5 8 13 21 34
```