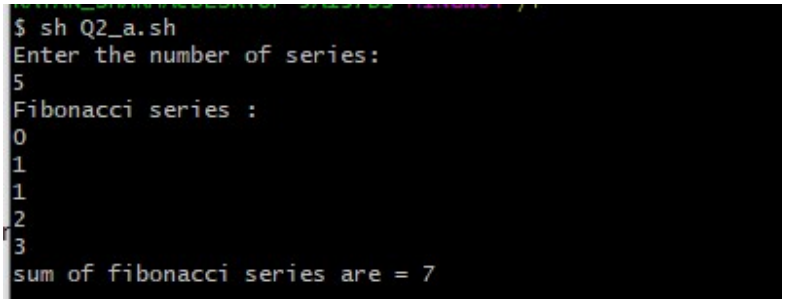
Question 2 Operating System Lab

Roll number 205120081

2) a

```
#!bin/bash

#N numbers of fibonacci using while structure

echo "Enter the number of series: "

read N

a=-1

b=1

c=$(($a+$b))

sum=0

i=1

echo "Fibonacci series :"

while [ $i -le $N ]

do

    sum=$((sum+c))

    echo "$c"

    a=$((b))

    b=$((c))

    c=$((a+b))

    i=$((i+1))

done

#end of while structure

echo "sum of fibonacci series are = $sum"
```



2)b

```
#include<stdio.h>
#include<stdlib.h>
#include<pthread.h>
#include <unistd.h>
#define MAX_THREAD
int n;
void *isPrime(void *vargp)
{

   if(n%2)
      printf("Odd Number\n");
   else
      printf("Even Number\n");

   int flag = 0;
   for(int i=2; i<n; i++)
   {
      if(n%i==0)
```

```
        {
            flag=1;
            break;
        }
    }
    if(flag)
        printf("Not Prime\n");
    else
        printf("Prime\n");

}
int main()
{
    printf("Enter the number :");
    scanf("%d",&n);
    pthread_t thread_id;
    printf("Thread Created\n");

    pthread_create(&thread_id, NULL, isPrime, NULL);
    (void)pthread_join(thread_id, NULL);
    printf("Thread Joined\n");
    exit(0);
    return 0;
}
```