PAGE NO.: 39
DATE: / /

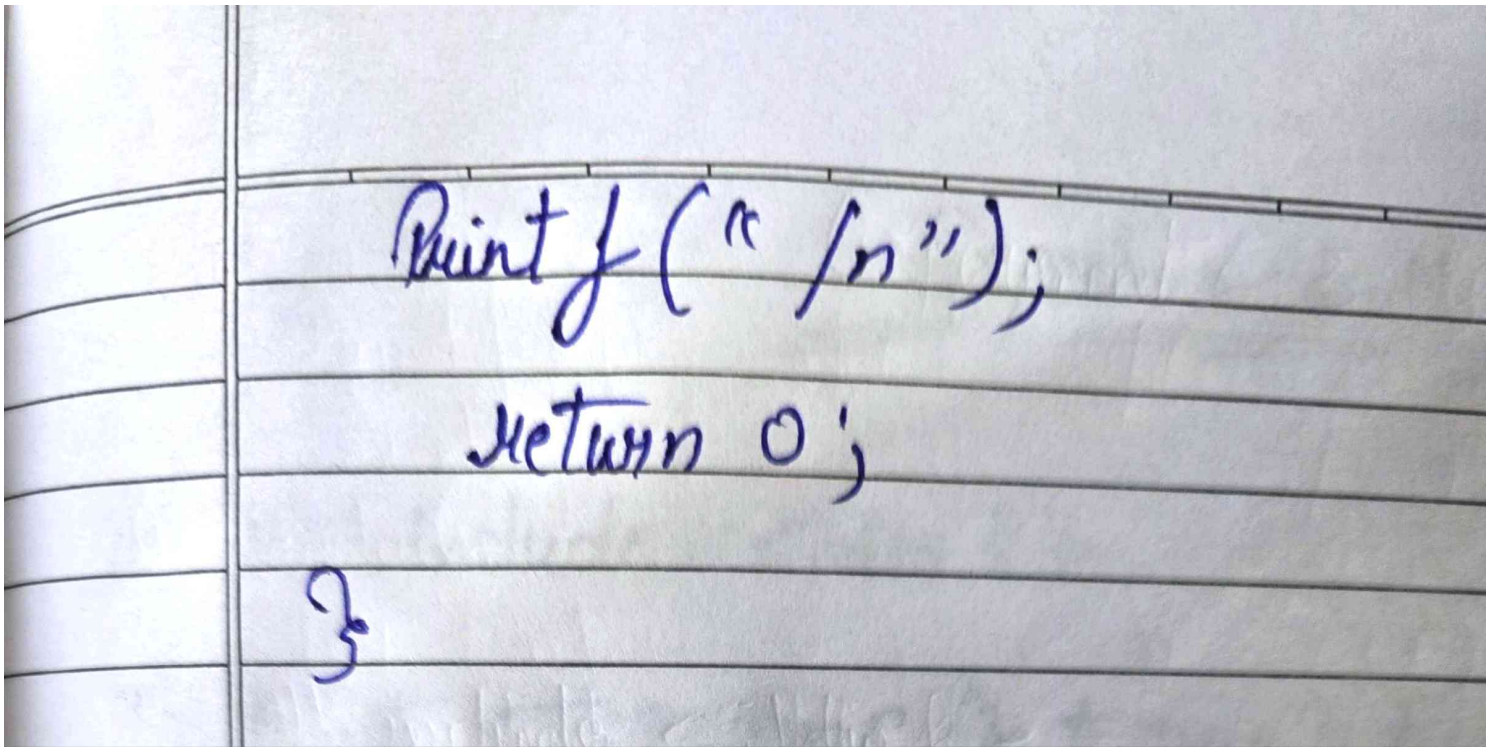
Experiment 6-3

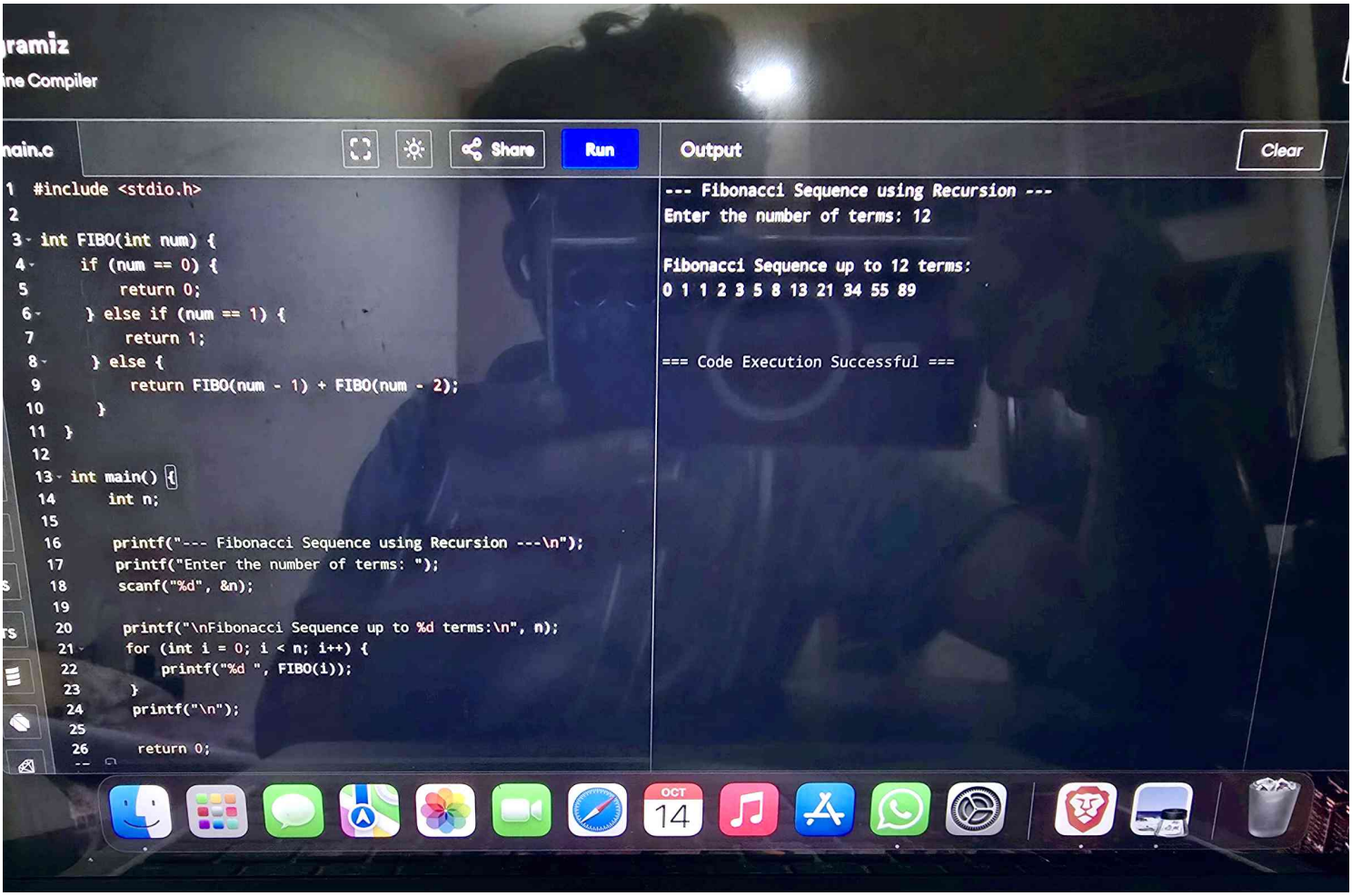
Q.3

```
#include <stdio.h>

int FIBO (int num) {
  if (num == 0)
    return 0;
  else if (num == 1)
    return 1;
  else
    return FIBO (num-1) + FIBO (num-2);
}
int main () {
  int n;

Printf("_____ Fibonacci; Sequence using Recursion _____ /n");
Printf("Enter the number of Terms ;");
Scanf("%d", &n);
Printf("/n Fibonacci Sequence up to %d terms: /n", n);
for (int i=0; i<n; i++){
    Printf("%d", FIBO (i));
}
```

Remarks:

Teacher's Signature


Printf("\n");
return 0;
}


ramiz
ine Compiler
main.c
Share
Run
Output
Clear
1 #include <stdio.h>
2
3 int FIBO(int num) {
4 if (num == 0) {
5 return 0;
6 } else if (num == 1) {
7 return 1;
8 } else {
9 return FIBO(num - 1) + FIBO(num - 2);
10 }
11 }
12
13 int main() {
14 int n;
15
16 printf("--- Fibonacci Sequence using Recursion ---\n");
17 printf("Enter the number of terms: ");
18 scanf("%d", &n);
19
20 printf("\nFibonacci Sequence up to %d terms:\n", n);
21 for (int i = 0; i < n; i++) {
22 printf("%d ", FIBO(i));
23 }
24 printf("\n");
25
26 return 0;
--- Fibonacci Sequence using Recursion ---
Enter the number of terms: 12
Fibonacci Sequence up to 12 terms:
0 1 1 2 3 5 8 13 21 34 55 89
=== Code Execution Successful ===
OCT
14