

3.

```
#include <stdio.h>

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

int main() {
    int n;
    printf("Enter n: ");
    scanf("./d", &n);
    printf("Fibonacci number at position ./d = ./d\n", n,
           fibonacci(n));
    return 0;
}
```

OUTPUT :-

Enter n = 28

Fibonacci number at position 28 = 317811

main.c

Run

Output

Clear

```
1 #include <stdio.h>
2
3 int fibonacci(int n) {
4     if (n == 0)
5         return 0;
6     else if (n == 1)
7         return 1;
8     else
9         return fibonacci(n - 1) + fibonacci(n - 2);
10 }
11
12 int main() {
13     int n;
14
15     printf("Enter n: ");
16     scanf("%d", &n);
17
18     printf("Fibonacci number at position %d = %d\n", n, fibonacci(n));
19
20     return 0;
21 }
```

Enter n: 28
Fibonacci number at position 28 = 317811
--- Code Execution Successful ---

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