🔍 main.c

C main.c M ✕

C main.c > ⬡ GCD(int, int)

```c
1    #include <stdio.h>
2
3
4    int GCD(int num1, int num2) {
5        if (num2 == 0)
6            return num1;
7        else
8            return GCD(num2, num1 % num2);
9    }
10
11   int main() {
12       int a, b, result;
13
14       printf("---- GCD Finder Using Recursion ----\n");
15       printf("Enter first number: ");
16       scanf("%d", &a);
17       printf("Enter second number: ");
18       scanf("%d", &b);
19
20       result = GCD(a, b);
21
22       printf("\nThe GCD of %d and %d is: %d\n", a, b, result);
23
24       return 0;
25   }
```

EXPLORER

∨ OPEN EDITORS
  ✕ C main.c   M

∨ MAIN.C
  > .vscode
  > main.dSYM
  C #include <stdio.c   U
  ≣ a.out   U
  C hello.c   U
  ≣ main   U
  C main.c   M
  ≣ tempCodeRunnerFile   U
  ≣ Untitled-1   U

> OUTLINE
> TIMELINE

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
---- GCD Finder Using Recursion ----
Enter first number: 2
Enter second number: 3

The GCD of 2 and 3 is: 1
abhaygupta@192 main.c %
```

Experiment 6.2

```c
6.2  #include  <stdio.h>

int GCD (int num1, int num2) {
     if (num2 == 0)
          return num1;
     else
          return GCD (num2, num1 % num2);
}
    int main () {
        int a, b, result;

        printf ("------GCD finder Using Recursion ----\n");
        printf (" Enter first number :");
        scanf ("%d", &a);
        printf (" Enter second number:");
        scanf ("%d", &b);

        result = GCD (a,b);

        printf ("In The GCD of %d & %d is : %d\n", a, b,
                                              result);


     return 0;
}
```