```
c gcd_recursive.c X
     int GCD(int , int );
    int main()
         int num1, num2,res;
         printf("\nENTER TWO NUMBERS : ");
         scanf("%d %d", &num1, &num2);
         res=GCD(num1,num2);
         printf("GCD OF %d AND %d = %d",num1,num2,res);
         return 0;
    int GCD(int x, int y)
         int rem;
         rem=x%y;
         if(rem==0)
            return y;
            return (GCD(y,rem));
24
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS C:\Users\muska\OneDrive\Desktop\C programs> gcc gcd\_recursive.c

PS C:\Users\muska\OneDrive\Desktop\C programs> .\a.exe

ENTER TWO NUMBERS : 60 24

GCD OF 60 AND 24 = 12

PS C:\Users\muska\OneDrive\Desktop\C programs> gcc gcd\_recursive.c

PS C:\Users\muska\OneDrive\Desktop\C programs> .\a.exe

ENTER TWO NUMBERS : 15 10

GCD OF 15 AND 10 = 5

PS C:\Users\muska\OneDrive\Desktop\C programs>

+ II iii

1: powershell

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS C:\Users\muska\OneDrive\Desktop\C programs> gcc toh.c
PS C:\Users\muska\OneDrive\Desktop\C programs> .\a.exe
Enter the number of disks
move disk 1 from S to D
move disk 2 from S to T
move disk 1 from D to T
move disk 3 from S to D
move disk 1 from T to S
move disk 2 from T to D
move disk 1 from S to D
PS C:\Users\muska\OneDrive\Desktop\C programs> gcc toh.c
PS C:\Users\muska\OneDrive\Desktop\C programs> .\a.exe
Enter the number of disks
4
move disk 1 from S to T
move disk 2 from S to D
move disk 1 from T to D
move disk 3 from S to T
move disk 1 from D to S
move disk 2 from D to T
move disk 1 from S to T
move disk 4 from S to D
move disk 1 from T to D
move disk 2 from T to S
move disk 1 from D to S
move disk 3 from T to D
move disk 1 from S to T
move disk 2 from S to D
move disk 1 from T to D
PS C:\Users\muska\OneDrive\Desktop\C programs>
```

+ III ill ~ ×

1: powershell