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# Practical – 4

**Aim**: Program to find GCD of two numbers using factorial method.

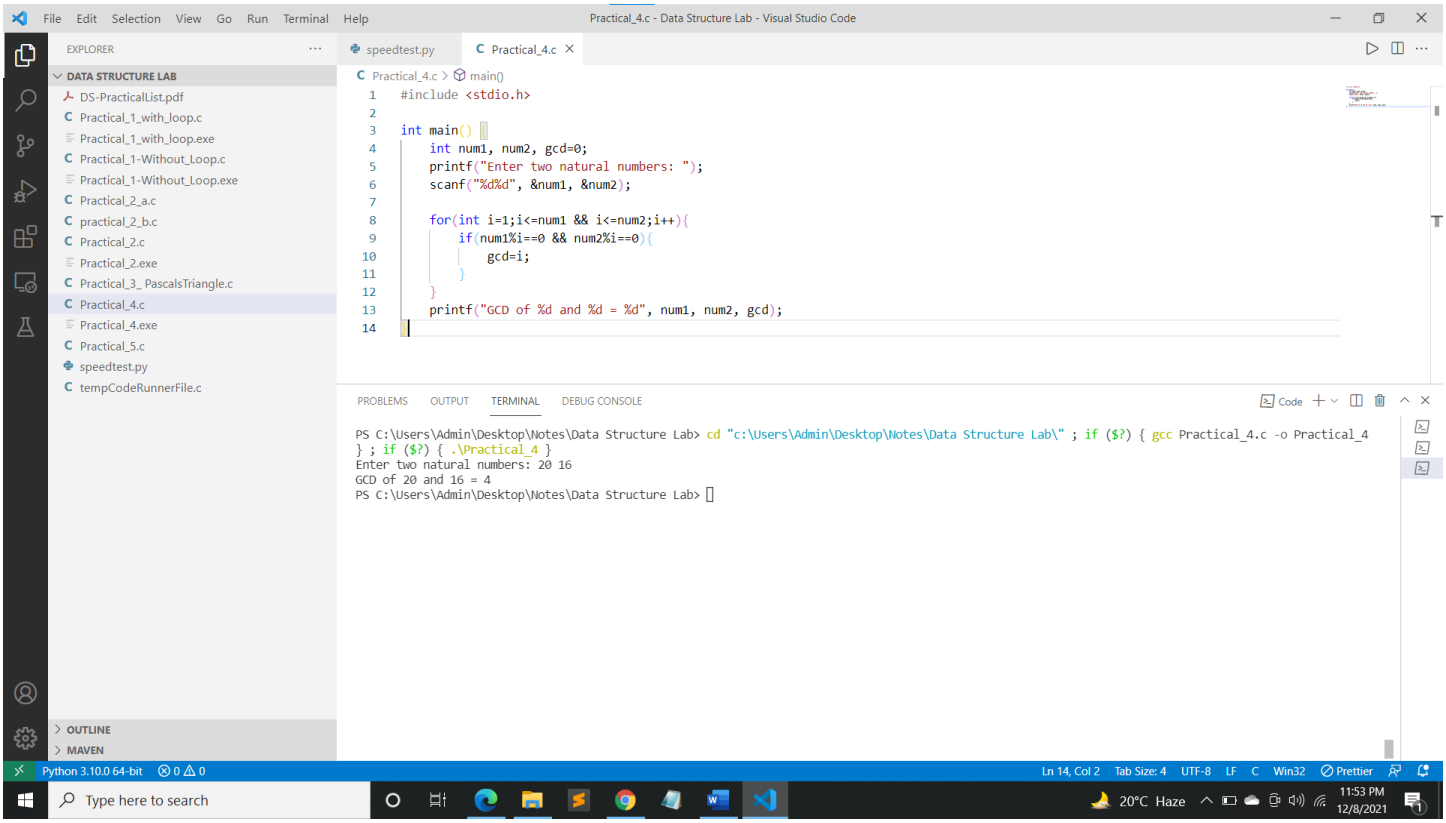
**Program**:

```c
#include <stdio.h>

int main() {
    int num1, num2, gcd=0;
    printf("Enter two natural numbers: ");
    scanf("%d%d", &num1, &num2);

    for(int i=1;i<=num1 && i<=num2;i++){
        if(num1%i==0 && num2%i==0){
            gcd=i;
        }
    }
    printf("GCD of %d and %d = %d", num1, num2, gcd);
}
```

Output:

```
Enter two natural numbers: 20 16
GCD of 20 and 16 = 4
```

Screenshot:




**Conclusion:** I have successfully done practical 4.