**EXPERIMENT-10**

**OBJECTIVE-** a program implement Euclidean Algorithm to find the GCD of given numbers.

**SOURCE CODE-**

**def gcd(a, b):**

**if a == 0 :**

**return b**

**return gcd(b%a, a)**

**a = 10**

**b = 15**

**print("gcd(", a , "," , b, ") = ", gcd(a, b))**

**a = 35**

**b = 10**

**print("gcd(", a , "," , b, ") = ", gcd(a, b))**

**a = 31**

**b = 2**

**print("gcd(", a , "," , b, ") = ", gcd(a, b))**

**OUTPUT-**

GCD(10, 15) = 5

GCD(35, 10) = 5

GCD(31, 2) = 1

**Developed by:** Abhishek Pandey