**EXPERIMENT NO-11**

**OBJECTIVE-** a program to find out the Multiplicative inverse of a given number

without using extended Euclidean algorithm.

**SOURCE CODE-**

**def modInverse(a, m):**

**for x in range(1, m):**

**if (((a%m) \* (x%m)) % m == 1):**

**return x**

**return -1**

**# Driver Code**

**a = 3**

**m = 11**

**# Function call**

**print(modInverse(a, m))**

**OUTPUT**-4

**Developed by:** Abhishek Pandey