Lab3

Shlok Kamath

21BAI1844

Cryptography and Network Security Lab (BCSE309P)

Professor: Dr. RAJESH R

Today's task:

- 1. EUCLIDEAN ALGORITHM
- 2. RAILFENCE

EUCLIDEAN ALGORITHM:

Code:

```
public class Main {
    public static int gcd(int a, int b) {
        if (b == 0) return a;
        return gcd(b, a%b);
    }
    public static void main(String[] args) {
        System.out.println(gcd(48,18));
    }
}
```

Output:

Railfence:

```
import java.util.*;
public class Main {
    public static void main(String[] args) {
```

21BAI1844 Shlok Kamath

```
col=0;
row=0;
while(i<n){
    ans += arr[col][row];
    col++;
    if(row == depth-1) neg = 1;
    else if(row == 0) neg = 0;
    if(neg == 1) row --;
    else row++;
    i++;
}
System.out.println("Decoded String: "+ans);
}</pre>
```

Output:

