**PRACTICAL -1**

**Aim:** Caesar Cipher Encryption - Decryption

public class Caesar\_Cipher {

 public static String Encrypt (String text,int key){

 char []plaintext = text.toCharArray();

 for (int i = 0; i < text.length(); i++) {

 int temp = (((int) plaintext[i]-32+key)%95)+32;  plaintext[i] = (char)temp;

 }

 return new String(plaintext);

 }

 public static String Decrypt (String text,int key){  char []plaintext = text.toCharArray();

 for (int i = 0; i < text.length(); i++) {

 int temp = (((int) plaintext[i]-32-key)%95)+32;  plaintext[i] = (char)temp;

 }

 return new String(plaintext);

 }

 public static void main(String[] args) {

 System.out.println("Text : hey ");

 System.out.println("Cipher Text : "+Encrypt("hey",3));  System.out.println("Message : "+Decrypt(Encrypt("hey",3),3));  }

}