



Ministry of Higher Education And Scientific Research

AL-Mustaqbal University College

Department of Computer Engineering Techniques

Experiment 5

Encrypt by using Affine cipher

Eng:- Shaymaa Fakhir AL-Hamdany

```
clc;clear all;close all

p=input('enter plaintext: ','s');
p=lower(p);
a =input('enter value a= ');

if gcd(a,26)~=1
    disp(['The key "a" not relatively prime to 26'])
else
    b = input('enter value b= ');
    lp = length(p);
    for i=1:lp
        r=int16(p(i))-97;
        c(i)=mod((r*a)+b,26);
    end
    c=char(c+65);
    disp(['The ciphertext : ' c])
end
```