



Ministry of Higher Education And Scientific Research

AL-Mustaqbal University College

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Experiment 4

Decrypt by using Vigenère cipher

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```
clc;
clear all;
close all;
c=input('enter ciphertext: ','s');
c=upper(c);
k=input('enter the key: ','s');
lc=length(c);
lk=length(k);
if lc>lk
    s=1;
    for i=1:lc
        if s>lk
            s=1;

        end
        kk(i)=k(s);
        s=s+1;
    end
else
    kk=k(1:lc);
end
for i=1:lc
    p(i)=int16(c(i)-65)-int16(kk(i)-97);
end
p=mod(p,26)+97;
p=char(p);
```