MATLAB R2016a

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Details

Workspace

Name | Value

Editor - Encryption.m

Command Window

Decryption.m

```
1  function [  ] = Decryption
   %%%%%%%%%%open the text file
   [filename, pathname] = uigetfile({'*.txt'},'File Selector');
   %%%%%%%%%%Extract the data from text file
   f = fopen(filename);
   data = textscan(f,'%s');
   x=data{:,1};
   txt=char(x(1,:));
   n=numel(txt);
   f1 = fopen(filename);
   data = textscan(f1,'%s');
   variable = str2double(data{:});
   %%%%%%%%%%call search function
   x=Search( filename,'/');
   x1=Search( filename,'//');
   x2=Search( filename,'///');
   p=variable(2:x-1);
   p1=variable(x+1:x1-1);
   decryp=variable(x1+1:x2-1);;
```

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Details

Workspace

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Editor - Encryption.m

Command Window

Decryption.m

```
1
    vect=variable(x2+1:numel(variable));

    for i=1:n
        if p(i)~=0
            res(p(i))=double(txt(p(i)))+30;
        else
            res(i)=double(txt(i))/pico(i);
        end
    end

    ii=1;
    for i=1:numel(p1)
        if p1(i)~=0
            res(p1(i))=double(txt(p1(i)))-(9+ii);
            ii=ii+1;
        end
    end

    v=vect';
```

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Editor - Encryption.m

Command Window

Decryption.m

```
1
    for i=1:numel(v)
        if v(i)~=0
            res_f(v(i))=res(v(i))+32;
        else
            res_f(i)=res(i);
        end
    end

    decrypt=char(res_f);

    infilas5 = fopen( 'decrypted.txt', 'w' );
    fprintf( infilas5, '%s\n',decrypt ); %%%%%%%% print string to file
```

Ready