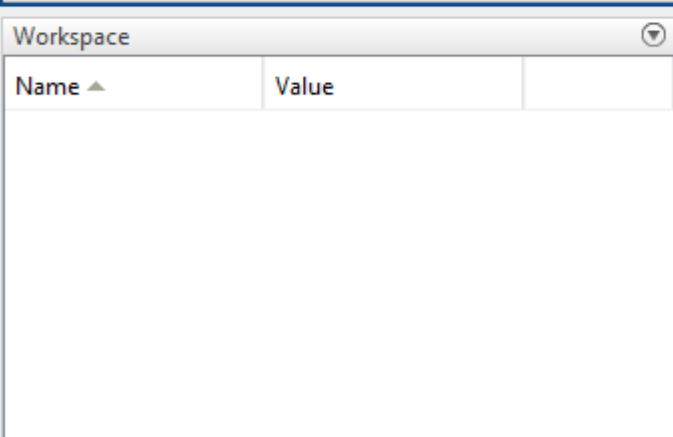
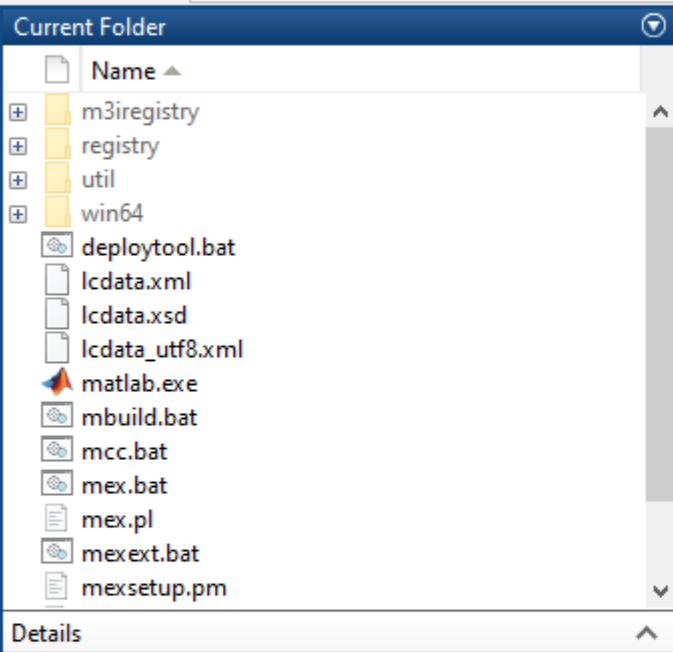


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Editor - Encryption.m

```
Encryption.m
1 function [ ] = Encryption
    %%%%%%%%%open the text file
    [filename, pathname] = uigetfile({'*.txt'}, 'File Selector');
    f=strcat(pathname,filename);
    %%%%%%%%%use of time to encrypt
    aa=clock;
    x=floor(aa(6));
    %%%%%%%%%read the text
    r=textread(f, '%s', 'whitespace', '');
    txt=char(r);
    r=upper(r); %%%% make the letters uppercase
    txt_n=char(r);
    n1=[txt_n];
    n=numel(txt_n);
    %%%%%%%%%cryp to encrypt the ascii code
    pi=randperm(n+1,n);
    for i=1:numel(pi)
        cryp(i)=pi(i)+x;
    end;
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

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FILE NAVIGATE EDIT BREAKPOINTS RUN

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Current Folder

- Name
- m3iregistry
- registry
- util
- win64
- deploytool.bat
- lcdata.xml
- lcdata.xsd
- lcdata\_utf8.xml
- matlab.exe
- mbuild.bat
- mcc.bat
- mex.bat
- mex.pl
- mexext.bat
- mexsetup.pm

Details

Workspace

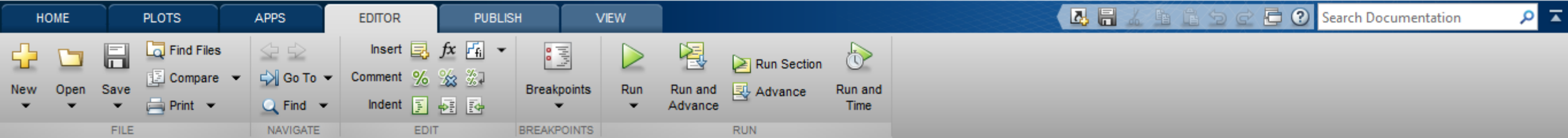
Name	Value

Editor - Encryption.m

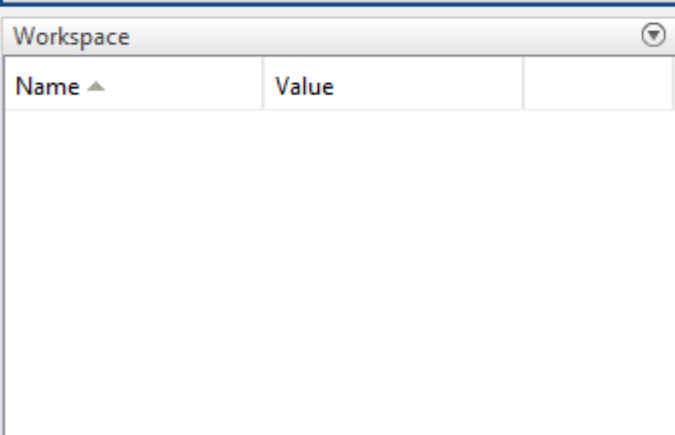
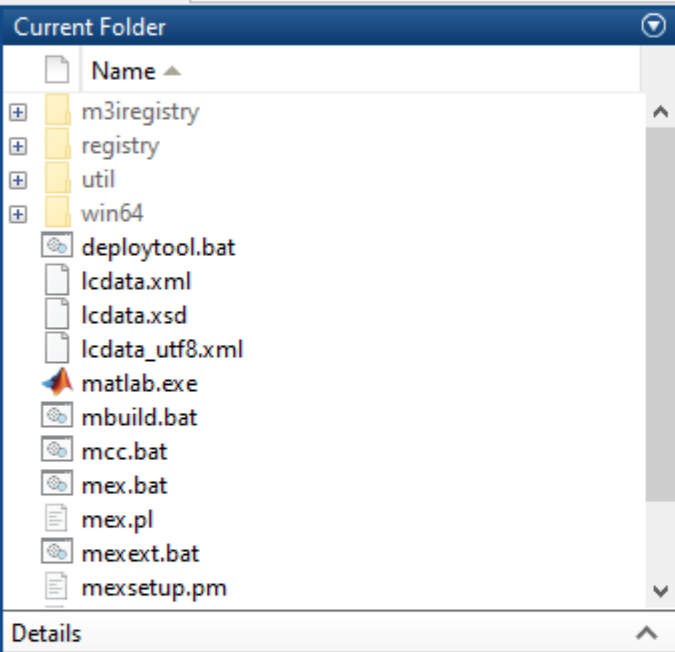
```

1 [asc=(double(txt));
  for i=1:numel(asc)
    if (asc(i)<=122) && (asc(i)>=97)
      vect(i)=i;
    else
      vect(i)=0;
    end
  end
  %%%%%%%%%%make sure crypt does not contain 0
  for i=1:numel(crypt)
    if crypt(i)<10
      crypt(i)=pico(i);
    else
      crypt(i)=floor(crypt(i)/10);
    end
  end
end
    
```

Command Window



C:\Program Files\MATLAB\R2016a\bin



Editor - Encryption.m

```
Encryption.m
1
for i=1:n
    res(i)=crypt(i)*as(i);
end
%%%%%%non printable characters
o=1;
for j=1:numel(res)
    if res(j)>126
        z(j)=double(n1(j));
        p(o)=j; %%%%% position des caracteres a changer
        idx=z(j)-31;
        res(j)=idx+1;
    end
    o=o+1;
end
if numel(p)<numel(res)
    for i=numel(p)+1:numel(res)
        p(i)=0;
    end
end
```

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FILE NAVIGATE EDIT BREAKPOINTS RUN

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Current Folder

- Name
- m3iregistry
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- lclata.xsd
- lclata\_utf8.xml
- matlab.exe
- mbuild.bat
- mcc.bat
- mex.bat
- mex.pl
- mexext.bat
- mexsetup.pm

Details

Workspace

Name	Value

```

Editor - Encryption.m
Encryption.m
1
    ii=1;
    d=double(n1);
    for j=1:numel(res)
        if d(j)<64
            res(j)=d(j)+9+ii;
            p1(ii)=j;
            ii=ii+1;
        end
    end
    encrypt_txt=char(res);%%%%%%%%%% the encrypted text
    iifilas5 = fopen( 'crypted.txt', 'w' ); %%%%%%%%%%% creat text file to write the results
    fprintf( iifilas5, '%s\n',encrypt_txt ); %%%%%%%%%%% print string to file
    fprintf( iifilas5, '%d\n', p );
    fprintf( iifilas5, '%s\n','/');
    fprintf( iifilas5, '%d\n', p1 );
    fprintf( iifilas5, '%s\n','//');
    fprintf( iifilas5, '%d\n', pico );
    fprintf( iifilas5, '%s\n','///');
    fprintf( iifilas5, '%d\n', vect );
    
```