```
>> input=importdata('HIMU-2019-12-14_09-07-39');
Error using importdata (line 139)
Unable to open file.

>> input=readtable('HIMU-2019-12-14_09-07-39');
Error using readtable (line 216)
Unable to open file 'HIMU-2019-12-14_09-07-39.txt'.

>> input=readtable('HIMU-2019-12-14_09-07-39.csv');
Warning: Table variable names were modified to make them valid MATLAB identifiers. ↙
The original names are saved in the
VariableDescriptions property.
>> input=importdata('HIMU-2019-12-14_09-07-39.csv');
>> input=readtable('HIMU-2019-12-14_09-07-39.csv');
Warning: Table variable names were modified to make them valid MATLAB identifiers. ↙
The original names are saved in the
VariableDescriptions property.
>> input_array=table2array(input);
>> plot(input_array,'DisplayName','input_array')
>> L=108

L =

   108

>> Fs=1/0.1

Fs =

    10

>> T=1/Fs;
>> t=(0:L-1)*T;
>> input_array_scalar=sqrt(num(input_array.^2, 2));
Undefined function or variable 'num'.

>> input_array_scalar=sqrt(sum(input_array.^2, 2));
>> plot(input_array_scalar)
>> FFT=fft(input_array);
>> plot(FFT,'DisplayName','FFT')
>> FFT=fft(input_array_scalar);
>> plot(FFT)
>> lenght=length(input_array)

lenght =

   108

>> C1 = abs(FFT/L);
```

```
>> C2 = abs(FFT/L);
>> C1 = C2(1:L/2+1);
>> C1(2:end-1) = 2*C1(2:end-1);
>>
>>
>> f = Fs*(0:(L/2))/L;
>> plot(f,C1)
>> plot(C2)
>> plot(C1)
>> plot(C1)
>> plot(C1)
>> jumlahlangkah=maxpeaks(C1);
Undefined function or variable 'maxpeaks'.

>> jumlahlangkah=maxpeak(C1);
Undefined function or variable 'maxpeak'.

>> jumlahlangkah=findpeak(C1);
Undefined function 'findpeak' for input arguments of type 'double'.

Did you mean:
>> jumlahlangkah=findpeaks(C1);
>> plot(jumlahlangkah)
>> plot(jumlahlangkah)
>> jumlahlangkah=findpeaks(C1);
>> findpeaks(C1);
>> filter_Designer
Undefined function or variable 'filter_Designer'.

Did you mean:
>> filterDesigner
>> plot(C1)
>> C1_filtered=filter(Filter1);
>> plot(Filter1)
>> C1_filtered=filter(Filter1);
Error using filter
Not enough input arguments.

>> Filter1=fir1(10, 0.4);
>> plot(Filter1)
>> Filter1=fir1(10, 1);
Error using fir1>desiredfreq (line 324)
Frequencies must fall in range between 0 and 1.

Error in fir1>eFir1 (line 130)
[nbands,freq,filterType] = desiredfreq(Wn,ftype);

Error in fir1 (line 92)
    [b,a] = eFir1(varargin{:});
```

```
>> Filter1=fir1(20, 0.4);
>> plot(Filter1)
>> Filter1=fir1(10, 1);
Error using fir1>desiredfreq (line 324)
Frequencies must fall in range between 0 and 1.

Error in fir1>eFir1 (line 130)
[nbands,freq,filterType] = desiredfreq(Wn,ftype);

Error in fir1 (line 92)
    [b,a] = eFir1(varargin{:});

>> Filter1=fir1(10, 0.4);
>> C1_filtered=filter(Filter1, C1);
Error using filter
Not enough input arguments.

>> C1_filtered=filter(Filter1, 1 ,C1);
>> plot(C1_filtered)
>> jumlahlangkah=findpeakks(C1_filtered);
Undefined function or variable 'findpeakks'.

Did you mean:
>> jumlahlangkah=findpeaks(C1_filtered);
>> plot(jumlahlangkah)
>> findpeaks(C1_filtered);
>> jumlahlangkah=findpeaks(C1_filtered);
>> jumlahlangkah=findpeaks(C1);
>> plot(C1_filtered)
>> C1_filtered1=filter(HPFilter1, 1 ,C1);
>> plot(C1_filtered1)
>> C1_filtered2=filter(HPFilter2, 1 ,C1);
>> plot(C1_filtered2)
>> jumlahlangkah=findpeaks(C1_filtered1);
>> plot(jumlahlangkah)
>> plot(jumlahlangkah)
>> plot(input_array_scalar)
>> Filter2=fir1(20, 0.4)

Filter2 =

  Columns 1 through 13

   -0.0000   -0.0035   -0.0039    0.0072    0.0201   -0.0000   -0.0517   -0.0506 ↙
0.0855    0.2965    0.4008    0.2965    0.0855

  Columns 14 through 21
```

```
   -0.0506   -0.0517   -0.0000    0.0201    0.0072   -0.0039   -0.0035   -0.0000

>> C1_filtered3=filter(Filter2,1,C1);
>> plot(C1_filtered3)
>> findpeaks(C1_filtered3)
>> Filter2=fir1(30, 0.7)

Filter2 =

  Columns 1 through 13

    0.0017   -0.0012   -0.0009    0.0042   -0.0054    0.0000    0.0114   -0.0186 ↙
0.0083    0.0212   -0.0489    0.0396    0.0299

  Columns 14 through 26

   -0.1451    0.2545    0.6989    0.2545   -0.1451    0.0299    0.0396   -0.0489 ↙
0.0212    0.0083   -0.0186    0.0114    0.0000

  Columns 27 through 31

   -0.0054    0.0042   -0.0009   -0.0012    0.0017

>> C1_filtered4=filter(Filter2,1,C1);
>> plot(C1_filtered4)
>> Filter2=fir1(20, 0.5)

Filter2 =

  Columns 1 through 13

    0.0000    0.0036   -0.0000   -0.0122    0.0000    0.0343   -0.0000   -0.0858 ↙
0.0000    0.3106    0.4991    0.3106    0.0000

  Columns 14 through 21

   -0.0858   -0.0000    0.0343    0.0000   -0.0122   -0.0000    0.0036    0.0000

>> C1_filtered4=filter(Filter2,1,C1);
>> plot(C1_filtered4)
>> findpeaks(C1_filtered4)
>> plot(C1_filtered)
>> findpeaks(C1_filtered)
>> findpeaks(C1_filtered)
>> plot(Filter)
>> plot(C1)
>> plot(input_array,'DisplayName','input_array')
>> plot(input_array_scalar)
>>
```