

There is one part that I make some changes and I would like to explain:

1. I change the get data function and get the number of data points directly.

```
void get_data(char* file_name, int no_of_data_points, ColumnVector &data)
```

The logic behind this program is that:

1. Write four functions to calculate mean, magnitude, read data and write data.
2. Do FFT and then put the biggest $n=5/10/15$ magnitude in the 1 to $n+1$ seat of new array.
3. Read the number of those magnitude for the first column(+1) and use the number for the filtered part.