Physics assignment 2　/ Tomoko Takami

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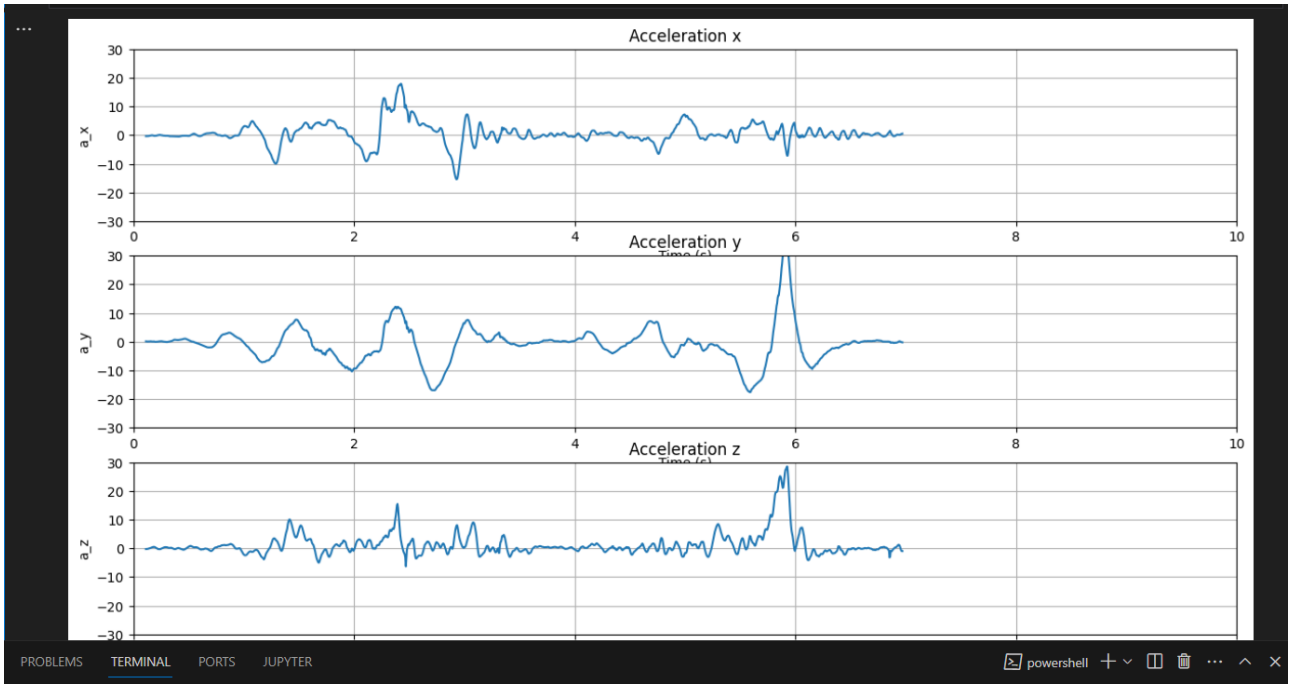
#Let´s make a symple graphics
plt.figure(figsize=(15,8))
plt.subplot(3,1,1)
plt.plot(df['Time (s)'], df['Linear Acceleration x (m/s^2)'])
plt.grid()
plt.title('Acceleration x')
plt.xlabel('Time (s)')
plt.ylabel('a_x')
plt.axis([0, 10, -30, 30])


plt.subplot(3,1,2)
plt.plot(df['Time (s)'], df['Linear Acceleration y (m/s^2)'])
plt.grid()
plt.title('Acceleration y')
plt.xlabel('Time (s)')
plt.ylabel('a_y')
plt.axis([0, 10, -30, 30])

plt.subplot(3,1,3)
plt.plot(df['Time (s)'], df['Linear Acceleration z (m/s^2)'])
plt.grid()
plt.title('Acceleration z')
plt.xlabel('Time (s)')
plt.ylabel('a_z')
plt.axis([0, 10, -30, 30])
plt.show()
```



This graph shows that the observation is as short as 7 seconds.

Around six seconds there was a large movement in the y and z axis directions.