

## Term Project Instructions

1. Log into Unix machine.
2. Download zip file.
3. Extract files from zip file and store in location of choice.
4. Open the Unix terminal.
5. Check if in right directory by typing:
  - a. pwd
6. Get into the designated file which contains the program by typing:
  - a. cd "LocationName".
7. To check if all the files are in the location:
  - a. ls
8. Start piping the data by doing the following:
  - a. cat b12.dat | java vehicle | java Satellite | java Receiver
9. If done correctly it should look like:

```
35 kiz> cat b12.dat
12123.0 12123.0 0 0 40 45 55 1 111 50 58 -1 1372

36 kiz> cat b12.dat | java vehicle
12123.0 40 45 55.0 1 111 50 58.0 -1 1372.0
12124.0 40 45 55.0 1 111 50 58.0 -1 1372.0

37 kiz> cat b12.dat | java vehicle | java Satellite
3 12122.917273538935 2.605234313778725E7 2986153.9652697924 4264669.833325115
4 12122.918115974104 -1.718355633086311E7 -1.8640834276186436E7 7941901.319733662
8 12122.91517247339 1.8498279256616846E7 -1.417239064384513E7 -1.2758766855293432E7
11 12122.929474004011 -2903225.4285143306 -1.9661358537802488E7 1.7630410370147068E7
14 12122.93081680465 1477645.012869009 -1.5214872308462147E7 2.172908956016601E7
15 12122.91559232703 2.6526323652830362E7 847508.5779779141 -1210367.686336006
17 12122.932126735379 4939777.113795485 -1.796566328317718E7 1.893839095916287E7
20 12122.9302901758 1.7903461115945213E7 -1.6805128220494166E7 1.0143118495964063E7
3 12123.917274951486 2.605158357529224E7 2988333.2598188072 4267782.188491394
4 12123.91811479538 -1.7182471209298465E7 -1.8643093190170433E7 7938946.196116364
8 12123.915170042981 1.8498702477611426E7 -1.4169522466848126E7 -1.2761337977143275E7
11 12123.929474483639 -2900527.5635451013 -1.9663425257925756E7 1.762854940826564E7
14 12123.930817706947 1481513.6606823928 -1.5214748538998244E7 2.1728912799052842E7
15 12123.91559038413 2.6526107876559697E7 849727.5371656624 -1213536.6884770312
17 12123.932126911204 4942411.176984275 -1.7963290476805918E7 1.893995444197517E7
20 12123.930291044038 1.7904260819928236E7 -1.680258096219933E7 1.0145926510738155E7
38 kiz> cat b12.dat | java vehicle | java Satellite | java Receiver
12123.00 40.00 45.00 55.00 1.00 111.00 50.00 58.00 -1.00 1372.00
12124.00 40.00 45.00 55.00 1.00 111.00 50.00 58.00 -1.00 1372.00
```