CSE 113 B

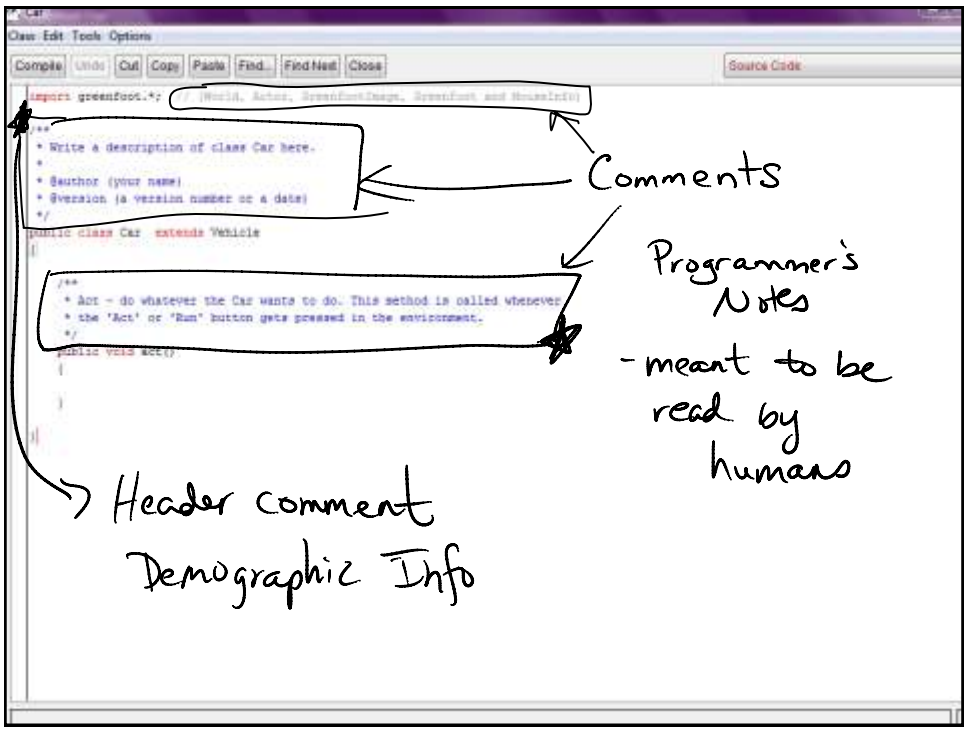
January 25 – 29, 2010

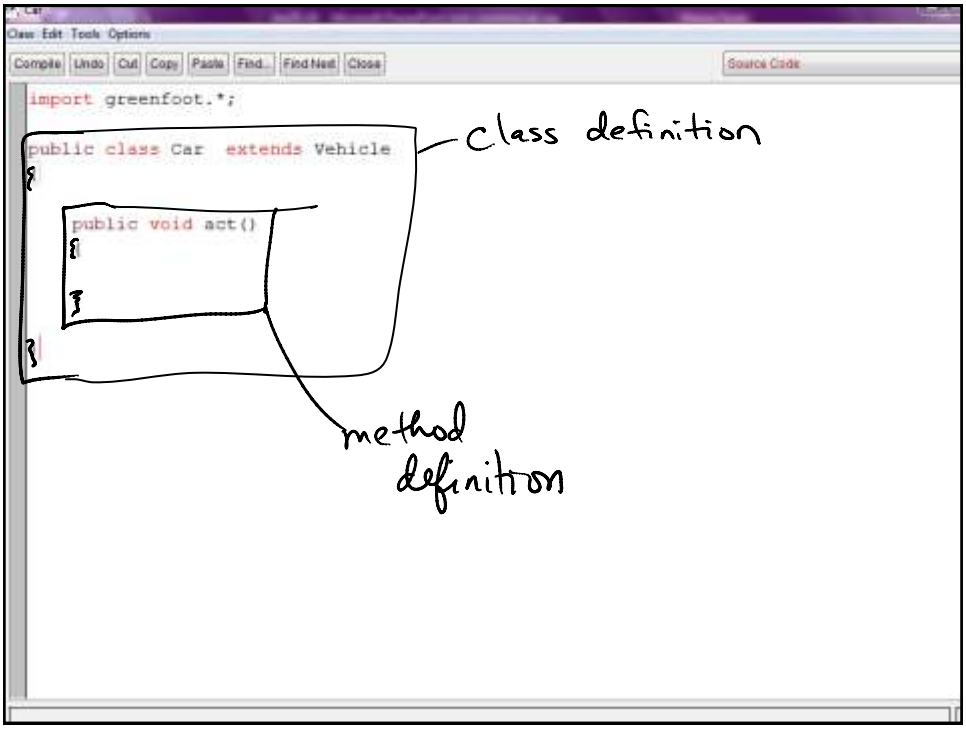
ANNOUNCEMENTS (1/25)

- If you have not picked up a syllabus, please do so
- Assignment #1 – sign and return form on last page of syllabus – must be turned in by end of class Monday, January 25th to receive full credit.
- Engineering Accounts Reminder

Announcements (1/27 & 1/29

- Engineering Account Problems
- Source code will be posted on the schedule page as well. To use it yourself, you will need to download the file and then unzip it. Then, you can ask Greenfoot to open that scenario.
- Web-CAT accounts
- Exam 1 is Wednesday 2/3 – Review Sheet posted – will be reviewed 2/1 in class





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Selection using if-statements

```
if( condition )
{
   set of actions that are
   performed when condition is true
}
```

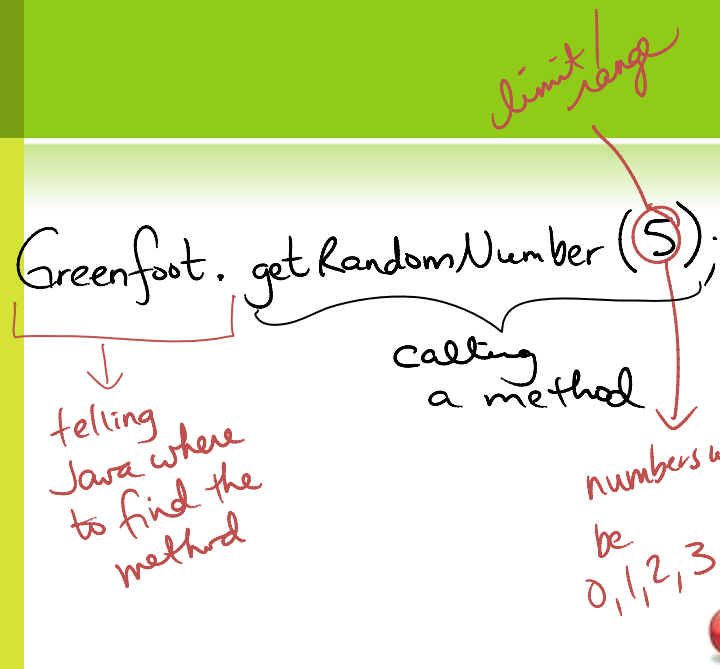
7

```
if(atWorldEdge())
{
   turn(14);
}
```

8

```
if( random number is in the range we want)
{
   do this action
}
```

9


limit/range
Greenfoot.getRandomNumber(5);
calling a method
telling Java where to find the method
numbers will be 0,1,2,3,4

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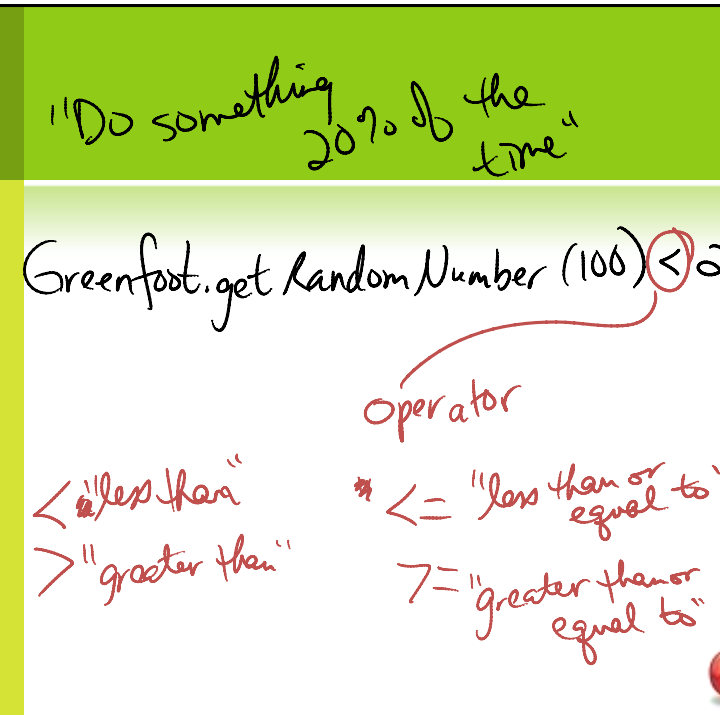
"Do something 20% of the time"
Greenfoot.getRandomNumber(100)<20
operator
< "less than"
> "greater than"
<= "less than or equal to"
>= "greater than or equal to"

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Operators (cont.)

== "equals"

!= "not equals"

\+ addition

\- subtraction

* multiplication

/ division

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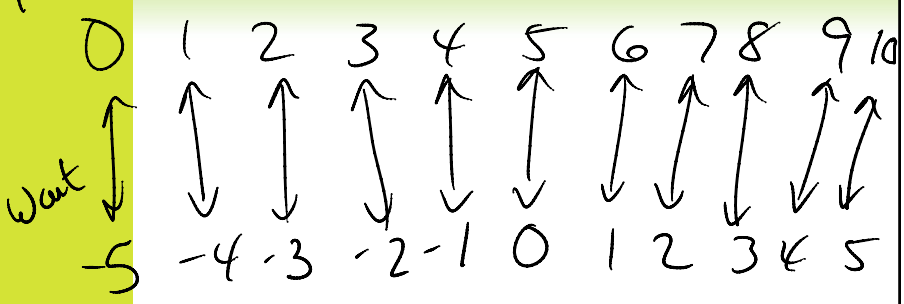
Turning in a range -x to x

Know:

Random numbers are given in the range 0 to y

Want:

Our range to be w to z, then we need to figure out how to shift the range

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