Electric Kitteh Bed 2000

Plz to press CTRL+P for instant warmth & gentle massage
Creating New Projects

• In Myro, create a new class that does something interesting, and then run it.

• Create a new non-Myro project that does some calculations and prints the result.
Giving Names

• Declare all instance variables
  
  ```java
  int firstInt;
  int secondInt;
  ```

• Appropriate Names
  
  – Start with letters
  – Case sensitive
  – Letters, digits, underscores
  – Not a word already in Java
  – Class = uppercase
Comments for Clarity

• In our line
  
  ```
  int firstInt;  //Used in fancy calculation
  ```
Mutator Methods

- Hide/Show an circle
- Move it around
Scope

• Can only access an object within its “scope”
  – Example: Same name, different methods

```java
public void methodOne(){
    int firstInt;
    ...
}

public void methodTwo(){
    int firstInt;
}
```
Writing for Readability

• Names are meaningful
  – Methods, variables, capitalization

• Comments
  – Not too few
  – Not too many

• Indentation consistent

• Braces consistent
//Print out some text
public void howAreYouDoing()
{
    System.out.println("I’m sorry Dave. I’m afraid I can’t tell you that");
}

public     void     howAreYouDoing()
{
    System.out.println(               "I’m sorry Dave. I’m afraid I can’t tell you that");
}
Aside: Obfuscated Code


C code to print all 12 verses of The 12 Days of Christmas:

```c
#include <stdio.h>
main(t,_,a) char *a; {return!0<t?t<3?main(-79,-13,a+main(-87,1-_,- main(-86,0,a+1)+a)):1,t<_?main(t+1,_,a):3,main(-94,-27+t,a) & &t==2? _<13? main(2,_+1,"%s %d %d\n") : 9:16:t<0?t<-72?main(_,t, "@n'+,#'/*{}w+/ w#cdnr/+,{r/xde}+,/*{+,./w/%+,/w#q#n+,#{1,+,/n{n+,/+#n+,/# \ ;#q#n+,/+k#;*+,'r :'d*'3,}{w+K w'K:'+}e#';dq#'l \ q#'+d'H#!/+k#;q#'r)eKK#w'r}eKK{nl]'/# ;#q#n')({}w')(){nl]'/'+#n';d}rw' i; \ }{nl]}!/n{n#'; r{w'r nc{nl]'/#{1,+'K {rw' iK; [{nl]'/w#q'n'wk nw' \ iwK{KK{nl]}/w{%l##w# i; :{nl]'/*{q#'1d;r'} {nlwb!/+de)'c \ ;;{nl}'-{}rw}'/'+,}##'*}{nc,',#nw]'/+kd'+e}+;='#rdq#w! nr'/ '})+}{rl#'{n' ')}# \ '}+}##(!!") : t<-50?==*a?putchar(31[a]):main(-65,_,a +1):main(*a=='/')+t,_,a+1) : 0<t?main(2,2,"%s") : a=='/' | main(0,main(-61,*a, "!ek;dc i@bK'(q)=[w]*%n+r3#1,{}:\nuwloca-O;m .vpbks,fxntdCeghiry"),a+1);}
```