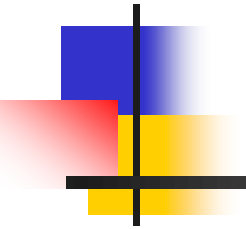
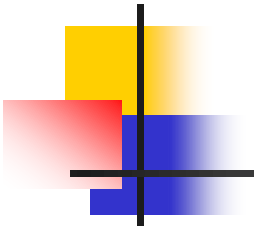


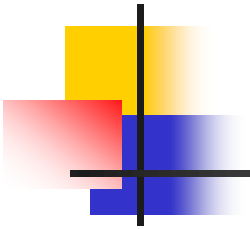
Project 2: Sorting Cats

Project 2: Sorting Cats



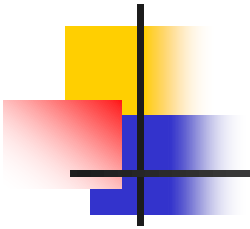
- Write a C++ console application to read a text file containing information about cats and output the information to the screen.

- Let the output be in alphabetical order according to the cats' names.



Specifications

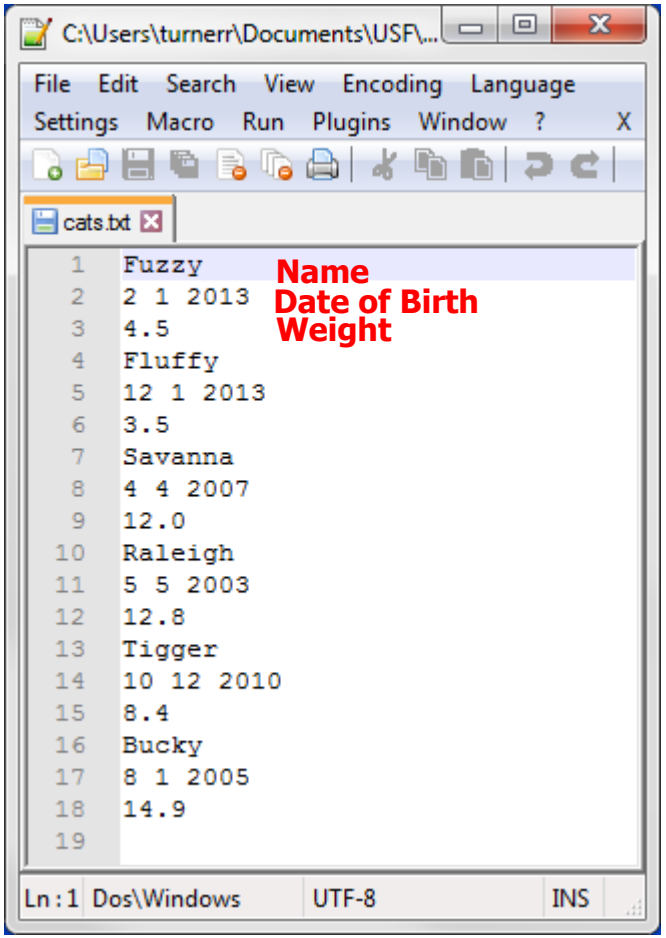
- Create and sort an array of pointers to Cat objects.
  - Each Cat object created with information read from the text file.
- You may reuse code from the class web site.
  - Will need modifications.
- The input file will contain no more than 20 cats.



Specifications for Class Cat

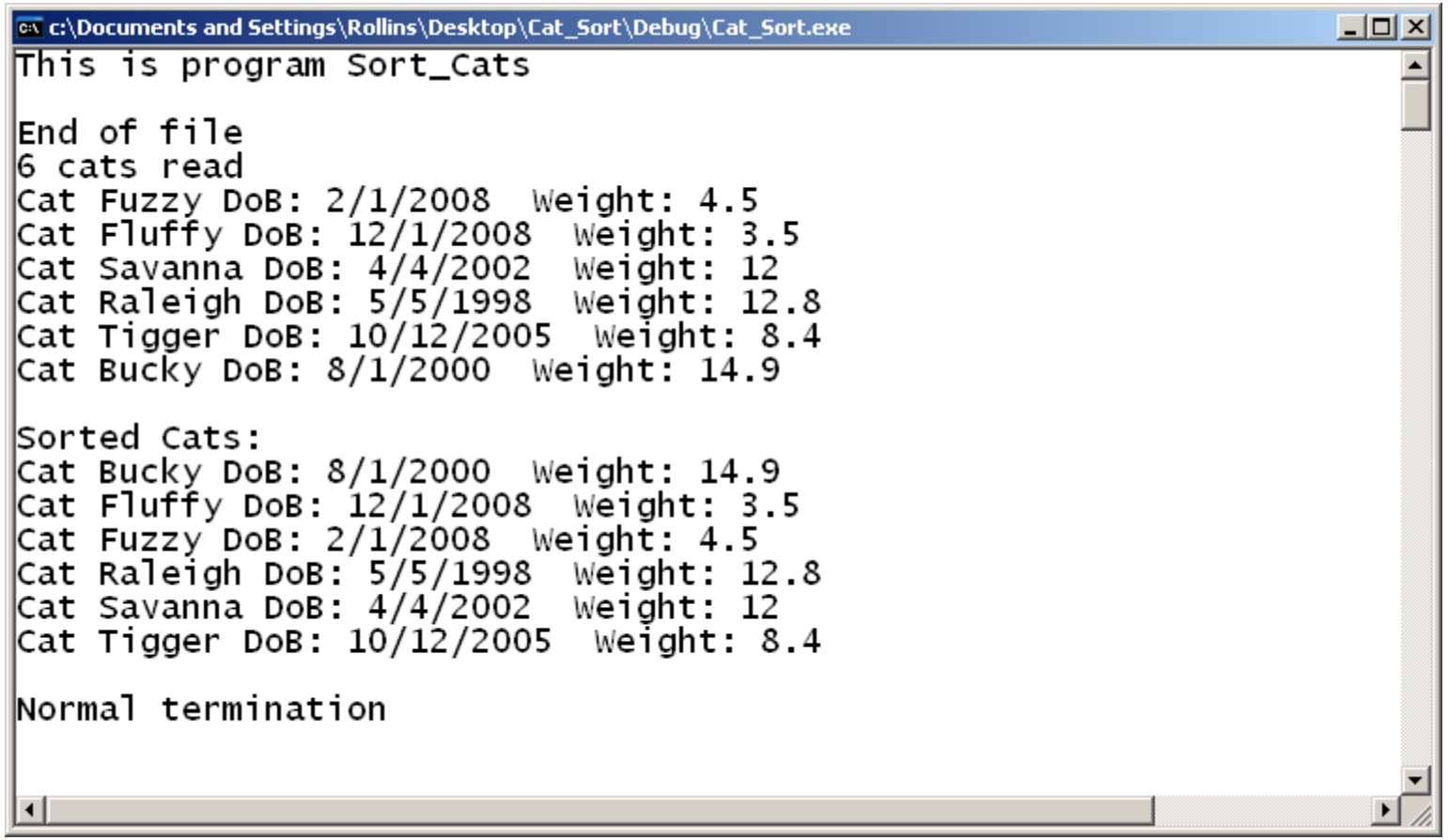
- Use C++ string class for name.
- Add << operator to class Cat and use it (rather than the Display method) to output information about each cat.
- Add > operator to class Cat and use it to compare cats in the sort function.
  - Base comparison on cats' names.

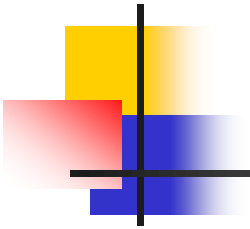
Sample Input File



http://www.cse.usf.edu/~turnerr/Object_Oriented_Design/Downloads/2016_01_29/Project_2_Sorting_Cats/ File cats.txt

Sample Output

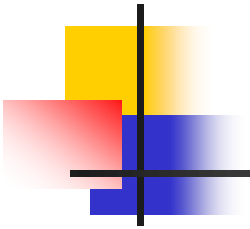




Development Environment

- You may develop your program on any system you like.
- But you should test the finished program on Circe.

- The same source file should compile and run on *either Windows or Linux*.



Ground Rules

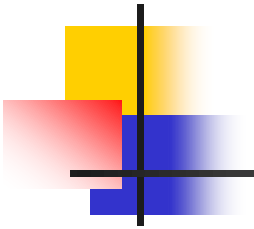
- You may work with one other person.
  - OK to work alone if you prefer.
- If you do work as a pair
  - Work together!
  - Both members are expected to contribute.
  - Submit a single program.
  - Both members should understand work in detail.
- Do not share your code with other students.
  - Before or after submitting the project.
  - It is OK to *discuss* the project.
- Do not copy any other student's work.
  - Don't *look at* anyone else's code
  - Don't let anyone look at your code.

Ground Rules

Except for code posted on the class web site

- Do not copy code from the Internet
  - or any other source.

- Write your own code.



Submission

- Project is due by 11:59 PM, Thursday Feb. 4.
- Deliverables:
  - Source code only.
  - Three files: main.cpp (Main Program),
    Cat.h, Cat.cpp
- Zip your files and submit the zip file using the Canvas Assignment for this class.
- If you work with another student, include both names in the assignment comments.
  - Other student should submit just a Canvas comment including both names.

End of Presentation