

# CO453 Application Programming

Week 3 - C#

Scissors Paper Stone Project

# Programming Project

Using  
C#



The Scissors Paper Stone Game

# Basic Rules

- You play against the computer
- Player chooses either: Scissors, Paper or Stone
- Computer also chooses one of these at random
- Possible results
  - If player and computer choose the same thing, the result is a Draw.
  - Scissors win against Paper  
(because scissors cut paper)
  - Scissors lose against Stone  
(because stone blunts scissors)
  - Paper wins against Stone  
(because paper wraps stone)

# The Basic Program

(see notes for Extension work)

# Change the Existing Program (SPS Project)

- Change colours to your own choice.
- Get all computer choices to be described correctly, instead of "NOT YET DETERMINED"  
e.g. **The computer chose STONE**
- Get the program to show all results correctly  
e.g. **THE COMPUTER WINS** or **YOU WIN**
- Get the program to draw the computer choice as well as the player choice (pictures are included)
- Add a variable for the player name and add code to pick up the name at the start of the program.
- The player name should be used wherever possible  
e.g. **What is your choice, Brian?**  
***Brian* picked SCISSORS.**  
**The computer picked PAPER**  
**Brian WON!!**
- The program should work for both upper and lower case inputs

# Project Deliverables

# Your Log Book

- 1. Source Code (fully commented)**
- 2. Author name, date, project title etc.**
- 3. Sample outputs from program execution**
- 4. Class Diagrams**
- 5. Completed Test Plans**
- 6. Commentary on success (or otherwise)**

# The Last Slide

