**BIT 142**

**Total: 50 Points**

**25 for style**

**25 for working code**

Intermediate Programming

*Major Assignment 3*

**The Task:**

I have multiple shapes. Each shape does something different depending on what it is. For example:

* Shape
  + Prints “I am a shape! Shapes are cool”
  + Prints “Shape” 5 times
* Triangle
  + Prints “I am a triangle”
  + Prints “I have 3 sides” 3 times
  + Prints “I am a shape! Shapes are cool”
  + Prints “Shape” 5 times
* Circle
  + Prints “I am round…”
  + Prints “I like to roll!” 7 times
  + Prints “I am a shape! Shapes are cool”
  + Prints “Shape” 5 times
* Rectangle
  + Prints “I am a rectangle…who has 4 sides”
  + Prints “I am a shape! Shapes are cool”
  + Prints “Shape” 5 times

**What You Need to Do:   
  
Your job is to implement the code (as specified above). An example output would be:**If I called these methods in main…

static void main(string[] args) {

new Rectangle();

new Triangle();

new Circle();   
}

I would have this output in the console

(see next page)

I am a rectangle…who has 4 sides

I am a shape! Shapes are cool!

Shape

Shape

Shape

Shape

Shape

I am a triangle

I have 3 sides

I have 3 sides

I have 3 sides

I am a shape! Shapes are cool!

Shape

Shape

Shape

Shape

Shape

I am round…

I like to roll!

I like to roll!

I like to roll!

I like to roll!

I like to roll!

I like to roll!

I like to roll!

I am a shape! Shapes are cool!

Shape

Shape

Shape

Shape

Shape

**HINTS:**

* Comment on your code (not how, but WHAT)
* Use the concepts we learned in class
  + Refer to the PPT slides

Feel free to come to me with any questions!