



COP 2800, Java Programming:

40 points:

Use loops/repetition structures to write the code for the following two programs:

1. Write an application that calculates the product of the odd integers from 1 to 20.
2. Modify the compound-interest application of **Fig.5.6** to repeat its steps for interest rates of 5%, 6%, 7%, 8%, 9% and 10%. Use a `for` loop to vary the interest rate.

Grade rubric for each program:

Program comments	3
Program code file (.java)	10
Ran program screen shot	2
Assessment/Reflection	3
Challenges	2
Total	20

Purpose: The program ties to the following student learning outcomes

- MLO 1 : Solve problems, design solutions, write and test code in Java using correct code structures and following professional programming standards.