

1.)

Input	Process	Output
Principle amount (user input) Interest rate (user input, repeatedly)	Use a loop to allow the user to enter the principal amount and interest rate repeatedly Compute the annual interest (principle x rate) Compute the ending balance to be principal (beginning balance + interest) Compute new principle for the following year (ending balance) Display year, beginning balance, and ending balance for each of the 5 years Compute the accumulated interest for the 5 years	Year Beginning balance Ending balance Accumulated interest

2.)

Input	Process	Output
None	<p>Initialize two variables, "a" and "b" to 1, as the first two numbers in the sequence.</p> <p>Use a for loop to compute and display the first 20 numbers in the sequence</p> <p>Compute the next number in as the sum of the previous two numbers (a+b)</p> <p>Update the variables "a" and "b" with the values of the previous two numbers</p> <p>Repeat the loop until 20 numbers in the sequence are computed</p> <p>Display the first 20 numbers in the sequence</p>	The first 20 numbers in the Fibonacci sequence

3.)

Input	Process	Output
Employee text file (containing last name and salary information)	Read in employee text file Determine bonus rate based on salary according to the bonus chart Compute bonus based on bonus rate and employee salary Display employee last name, salary, and bonus for each line Calculate the sum of all bonuses paid out	Employee last name, salary, and bonus for each line Total sum of all bonuses paid out

4.)

Input	Process	Output
Text file containing item, quantity, and price information	Read in text file For each line, compute extended price (quantity x price) Display item, quantity, price, and extended price for each line Calculate the sum of all extended prices Count the number of orders Calculate the average order	Item, quantity, price, and extended price for each line Total sum of all extended prices Count of the number of orders Average order

5.)

Input	Process	Output
Text file containing student's last name, district code, and number of credits taken	<p>Read in text file</p> <p>For each line, determine the cost per credit based on the district code</p> <p>Compute tuition owed (credits taken x cost per credit)</p> <p>Display student last name, credits taken, and tuition owed for each line</p> <p>Calculate the sum of all tuition owed</p> <p>Count the number of students</p>	<p>Student last name, credits taken, and tuition owed for each line</p> <p>Total sum of all tuition owed</p> <p>Count of number of students</p>