Please read Instructions:

1. This is an **open** **book** final
2. Please no **talking**
3. The **instructor** cannot assist on the final
4. This is a **timed** **test**, please upload the assignment before 1:20 p.m.

Good Luck!

Please print screen clearly… There are **5** questions with **7** print screens each worth 14.2%

No scanner required for input

1. Complete the following algorithm

The variable x starts with the value 10.

The variable y starts with the value 20.

Add 5 to x

Add 6 to y

Add x + y and store the result in y

Display the value in y as the output

#1 Print screen your results below here

Copy and paste your code below here

Use a Scanner for input

1. Write a Java program to print the sum of two numbers.  
   Test Data:   
   74 + 36   
   *Expected Output* :  
   110

#2 print screen your results below here

Copy and paste your code below here

Use a Scanner for input

1. Write a program that asks the user to enter 3 test scores. The program should display each test score, the total and average of the test scores. Enter the following test scores **80**, **90**, and **100**.

#3: Print screen your results below here

Copy and paste your code below here

1. Use a nested **FOR** **LOOP** that will loop though numbers 1-10 and output those numbers for the first loop and the second loop numbers 11-20.

#4 print screen your results below here

Copy and paste your code below here

Use a Scanner for input

1. Write an algorithm that will ask for an input grade number and then output a grade letter. Below is a table for guidance, only print screen one grade letter, however, write the code for all possible grade letters. **If the letter grade is above 100 then write a statement that it cannot go over 100 and a LOOP (any LOOP) that will state to ask the user to start over again as a YES or NO. If the user chooses YES then run the program again, if the user chooses NO then stop the program (place a statement that the user has chosen NO)**

|  |
| --- |
| 90-100 = A |
| 80-89 = B |
| 70-79 = C |
| 60-69 = D |
| 59 and under = F |

#5 print screen your results below here where 90-100 is the range

#6 Print screen below here where score is over 100 and user chooses YES

#7 Print screen below here where score is over 100 and user chooses NO

Copy and paste your code below here

Upload this document to Week 16 Final (It will not overwrite)