Introduction to Computer Science

2. N Sentinel 4. 7:

6. <u>m</u> ++ 8. <u>f</u> return 10. <u>a</u> int x;

12. <u>j</u>+=

14. **Q** double

Final Test

- A. Match: For each term, write the corresponding letter for the description that best matches it from below.
 - 1. <u>e</u> Stream <u>extraction</u> operator 3. **b** Integer division
 - 5. C Syntax error
 - 7. **b** Condition expressions
 - 9. d Modulus operator
 - 11. <u>\(\)</u> static_cast< double >
 - 13. Stream insertion operator
 15. Nested control statement
- a) Holds whole number values.
- b) An operation that truncates fractional part of its result.
- c) Prevents a program from compiling.
- d) An operation that yields the remainder after integer division.
- e) >>.
- f) One of several means to exit a function.
- g) <<.
- h) Commonly formed by using equality operators and relational operators.
- i) Can be used to create a temporary floating-point copy of its operand.
- i) Addition assignment operator.
- k) Conditional operator.
- 1) A data type for storing floating-point values.
- m) Increment operator.
- n) Special value which indicates the end of data entry.
- o) Appears in the body of another control statement.
- B. Close: Complete each sentence.

- a) <u>Qand</u> are the default display values for bool values. b) Sticky settime output stream format settings that stay in effect until they're changed.
- c) A convenient control statement for performing countercontrolled repetition. For
- d) The statement causes the immediate exit from a repetition statement.
- e) The 11 is the logical AND operator.
- f) The is the logical OR operator.
 g) The wis the optional part of a switch statement.
- h) Using functions as building blocks to create programs is termed as Software resul
- i) Technique for reducing the range of values produced by
- function rand is called <u>Scalling</u>

 j) A library heaver functions function prototypes and definitions of various data types.
- k) The function _______ plant a seed for the randomnumber generator.
- 1) Invoking a function is termed as tunction call
- m) A is known only in the function in which it is defined.
- n) Technique for constructing a program from smaller, more manageable pieces is termed as **Dinde**. and **(ong)** 为孩子不要談政治!
- o) The portion of a program in which an identifier may be referenced is called its 5cope.

- C. Write a C++ statement or a set of C++ statements to accomplish each of the followings:
- Write four different C++ statements that each subtracts 1 to integer variable x.
- Generates a random number between 10 and 100, together with seed and time function.
- Suppose int z=6; in four **cout** stream output statements, print out z as 7 7 7 7 in four lines. The final value of z should be 6 (Hint: using increment and decrement operators).
- /d. Declare a enumeration type MONTH with 12 constants Jan, Feb,..,Dec and the integer values of the MONTH should start from 1.
- Determine whether the character read into a variable terminate from cin stream is EOF or not. If it is, print "At file end" else print "continue reading file.". Using both if statement and conditional operator.
- D. Write a function with an integer parameter that indicates the number of times for throwing two dices, sum up all the total points thrown, and return the points via the function. Please use a for statement and the random number generator to implement the function. Make it a truly random function too.
- E. Redo question D, using both while and do while statements.
- F. Write a function that takes an integer value argument and output "it is even" or "it is odd" depends on the value. Note the function returns nothing and you have to print out the double quotation marks ("). (10%)

Final Exercise 5.34

Due day: 2020/01/19 midnight.

小明:

阿公,請問您以後是 英文好還是國語好?

阿公: