

Problem Solving to Sequence Control Structures Test Revision

- Which of the following is NOT a data type in C?
(A) float (B) int (C) real (D) double
- Identify the CORRECT C statement
(A) `Printf("The percentage is %f",percent);` (B) `printf("The percentage is %f",percent);`
(C) `printf("The percentage is %f, percent");` (D) `printf('The percentage is %f',percent);`
- An example of good programming style is
(A) indenting the code (B) writing programs in C and not Pascal
(C) avoid writing structure programs (D) using one letter variable names
- The first three steps in the problem solving process are
(A) define the problem, find several solutions, analyze the solutions
(B) define the problem, find several solutions, justify and select a solution
(C) define the problem, analyze the problem, find several solutions
(D) define the problem, select and justify a solution, implement the solution
- Which of the following is NOT a way to express an algorithm?
(A) C code (B) flowchart (C) narrative (D) pseudocode
- The below C statements contain errors. Write the correct statements.
(a) `printf("Please enter two numbers);`
(b) `sum := x+y;`
(c) `scanf("%d",x);`

7. (a) Draw a flowchart to do the following tasks:
1. read a number x
 2. multiply the number by 10 and store the result in y
 3. subtract 5 from y and store the result in z
 4. print y, z
- (b) What is printed when $x = 5$?
- (c) Write the narrative for the flowchart
- (d) Write the pseudocode for the flowchart
- (e) Write the C program for the flowchart