

Name: \_\_\_\_\_

## Homework 1

1. What is the correct value returned to the operating system upon the successful completion of function main()?
  - A. -1
  - B. 1
  - C. 0
  - D. Functions do not return a value.
2. What is the only function that all C programs must have?
  - A. start()
  - B. system()
  - C. main()
  - D. program()
3. What punctuation is used to signal the beginning and end of statement blocks of code?
  - A. { }
  - B. -> and <-
  - C. BEGIN and END
  - D. ( )
4. What punctuation is used to end most statements in C?
  - A. .
  - B. ;
  - C. :
  - D. '
5. Which of the following is a correct single/multi line comment structure?
  - A. /\* Comments \*/
  - B. \*\* Comment \*\*
  - C. /\* Comment \*/
  - D. { Comment }
6. Which of the following is not a correct variable type?
  - A. float
  - B. real
  - C. int
  - D. double
7. When is <stdio.h> accessed by the compiler?
  - a) as a post-processor directive
  - b) as a pre-processor directive
  - c) at run time
8. What does stdio.h stand for?
  - a) standard in or out h file
  - b) standard inside and outside header file
  - c) standard input and output header file
9. In int main(), what does the int stand for?
  - a) integer
  - b) initialize
  - c) nothing
10. What is the correct statement syntax to print to the screen?
  - a) printf(My first program\n);
  - b) printf("My first program\n")
  - c) printf("My first program\n");

11. What does character sequence `\n` do when used inside the `printf()` string field?
  - a) enters a new line
  - b) prints `\n` to the screen
  - c) does nothing
12. What does syntax `#include <stdio.h>` allow us to use in our code?
  - a) `printf()`
  - b) `return`
  - c) `int main()`
13. What is the correct way to write a single or end-of-line comment in C?
  - a) `/ this is a comment /`
  - b) `// this is a comment /*`
  - c) `*/ this is a comment */`
14. How would an integer variable called `sum` be declared and initialized to a value of 10?
  - a) `int sum 10;`
  - b) `int sum=10;`
  - c) `int sum==10;`
15. What is the correct way to print the data stored in integer variable `sum` to the screen?
  - a) `printf("%i",sum);`
  - b) `printf("%f",sum);`
  - c) `printf("%i",10);`
16. Is it legal to declare multiple integers like this, `int sum,age,group;`
  - a) yes
  - b) no
17. What is the correct way to read and store an integer value into an integer variable called `sum`?
  - a) `scanf("%i", &sum);`
  - b) `scanf("%i", sum);`
  - c) `scan("%i", &sum);`
18. What is the correct way to scan in a double value into a variable called `sum`?
  - a) `scan("%i", &sum);`
  - b) `scanf("%lf", &sum);`
  - c) `scanf("%f", sum);`
19. Which `%` placeholder would the integer variable called `x` go into in this print statement?  
`printf("%f %i %i", age, sum, x);`
  - a) the `%f`
  - b) the first `%i`
  - c) the second `%i`
20. Why shouldn't an integer data be divided by integer data?
  - a) The value may be truncated
  - b) The compiler will error
  - c) The program will crash