

C Formatted Input Answers

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1) Answer is b) Undefined behaviour.

Explanation: Compiler would throw a warning during the time of compilation stating that the argument “%d” in scanf expects argument of type int *, but argument 2 is of type int

So, n will contain garbage value irrespective of the value which is given as input

2) Answer is b) Undefined behaviour.

Explanation: A character pointer can only point to the starting location of a string, if the string is initialized to the character pointer during the time of declaration.

So, in this problem, the character pointer n will point to nothing (NULL) even after scanf

3) Answer is c) Hello

Explanation: sscanf exactly behaves like scanf except that it reads formatted input from a string instead of stream attached to stdin

So, '\n' acts as a delimiter

4) Answer is c) Whatever user types

Explanation: The h format specifier is used alongside with d for short int

The answer of the 5th question is:

5) Answer is b) Some garbage value

Explanation: Due to the presence of * in scanf(“%*d”,&i) the first value given in stdin will be skipped. So, some garbage value will be printed

6) Answer is b) Somegarbagevalue

Explanation: Due to the presence of * in scanf(“%*hd”,&i) the first value given in stdin will be skipped. So, some garbage value will be printed.

7) Answer is b) Somegarbage value

Explanation: Actually, some negative value will be printed due to the cyclic property of primitive datatypes in c

8) Answer is a) Compilation error

Explanation: h*d is not a valid format specifier.

9) Answer is d) None of the mentioned

10) Answer is b) A pointer to short

11) Answer is a) char name[10]

12) Answer is d) None of the mentioned

13) Answer is b) int scanf(char *format,...)

14) Answer is a) Number of successfully matched and assigned input

15) Answer is d) Varies,

Compiler would throw a warning for line 5, saying that “%d” in scanf expects an argument of type int *, but argument 2 is of type int

16) Answer is c) Both a & b

17) Answer is a) A pointer to short

18) Answer is d) 4 5

References:

1)<http://www.sanfoundry.com/c-interview-questions-answers/>