

Practice Set: Introduction (8 problems) – v202

SL	Problem statement	Difficulty levels						
1.	Program that will print “Hello World”.	*						
	<table><tr><td>Sample input</td><td>Sample output</td></tr><tr><td></td><td>Hello World</td></tr></table>		Sample input	Sample output		Hello World		
	Sample input		Sample output					
			Hello World					
2.	Program that will use newline/tab and print the following segment:	*						
	<table><tr><td>Sample input</td><td>Sample output</td></tr><tr><td></td><td>Hello World. This is my first program. C is fun.</td></tr></table>		Sample input	Sample output		Hello World. This is my first program. C is fun.		
	Sample input		Sample output					
			Hello World. This is my first program. C is fun.					
3.	Program that will print the following segment:	*						
	<table><tr><td>Sample input</td><td>Sample output</td></tr><tr><td></td><td>The question is - “How to write a \comment/ in C programming language?”</td></tr></table>		Sample input	Sample output		The question is - “How to write a \comment/ in C programming language?”		
	Sample input		Sample output					
			The question is - “How to write a \comment/ in C programming language?”					
4.	Program that will declare an integer, a floating point number, a character. Then it will initialize them with values and print those values.	*						
	<table><tr><td>Sample input</td><td>Sample output</td></tr><tr><td></td><td>The integer value: 5 The floating point value: 3.141593 The character value: a</td></tr><tr><td></td><td>The integer value: 100 The floating point value: 1.618000 The character value: z</td></tr></table>		Sample input	Sample output		The integer value: 5 The floating point value: 3.141593 The character value: a		The integer value: 100 The floating point value: 1.618000 The character value: z
	Sample input		Sample output					
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			The integer value: 100 The floating point value: 1.618000 The character value: z					
5.	Program that will do the followings: a) Declare a variable uninitialized b) Declare and initialize a variable in one statement c) Declare and initialize multiple variables with different values in one statement d) Declare and initialize multiple variables with the same value in one statement	*						
6.	Program that will take your age in year(s) as input and print it.	*						
	<table><tr><td>Sample input</td><td>Sample output</td></tr><tr><td>20</td><td>My age is: 20</td></tr><tr><td>21</td><td>My age is: 21</td></tr></table>		Sample input	Sample output	20	My age is: 20	21	My age is: 21
	Sample input		Sample output					
	20		My age is: 20					
21	My age is: 21							

7.	<p>Program that will receive the values of an integer, a floating point number, a character from the keyboard and print those values.</p> <table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5 3.141593 a</td><td>The integer value: 5 The floating point value: 3.141593 The character value: a</td></tr><tr><td>100 1.618 z</td><td>The integer value: 100 The floating point value: 1.618000 The character value: z</td></tr></table>	Sample input	Sample output	5 3.141593 a	The integer value: 5 The floating point value: 3.141593 The character value: a	100 1.618 z	The integer value: 100 The floating point value: 1.618000 The character value: z	*
Sample input	Sample output							
5 3.141593 a	The integer value: 5 The floating point value: 3.141593 The character value: a							
100 1.618 z	The integer value: 100 The floating point value: 1.618000 The character value: z							
8.	<p>Program that will declare a variable from each data type: long int, long long int, long double, short int. Then it will initialize them with values and print them.</p> <table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td></td><td>The long int value: 2147483647 The long long int value: 9223372036854775807 The long double value: 1.1E+4932 The short int value: 32767</td></tr><tr><td></td><td>The long int value: -2,147,483,648 The long long int value: -9223372036854775808 The long double value: 3.4E-4932 The short int value: -32768</td></tr></table>	Sample input	Sample output		The long int value: 2147483647 The long long int value: 9223372036854775807 The long double value: 1.1E+4932 The short int value: 32767		The long int value: -2,147,483,648 The long long int value: -9223372036854775808 The long double value: 3.4E-4932 The short int value: -32768	**
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