

## Nested Loop related problems (total 18 questions)

SL	Problem statement	Difficulty levels						
1.	WAP that will print a pattern based on the input integer n. Please see the sample input output.	*						
	<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>3</td><td>123 123 123</td></tr><tr><td>4</td><td>1234 1234 1234 1234</td></tr></table>		Sample input	Sample output	3	123 123 123	4	1234 1234 1234 1234
	Sample input		Sample output					
	3		123 123 123					
	4		1234 1234 1234 1234					
2.	WAP that will print a pattern based on the input integer n. Please see the sample input output.	*						
	<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>3</td><td>123 234 345</td></tr><tr><td>4</td><td>1234 2345 3456 4567</td></tr></table>		Sample input	Sample output	3	123 234 345	4	1234 2345 3456 4567
	Sample input		Sample output					
	3		123 234 345					
	4		1234 2345 3456 4567					
3.	WAP that will print a pattern based on the input integer n. Please see the sample input output.	*						
	<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>3</td><td>1 23 345</td></tr><tr><td>4</td><td>1 23 345 4567</td></tr></table>		Sample input	Sample output	3	1 23 345	4	1 23 345 4567
	Sample input		Sample output					
	3		1 23 345					
	4		1 23 345 4567					

4.	<p>WAP that will print a pattern based on the input integer n. Please see the sample input output.</p> <table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>3</td><td><pre>__1 __22 333</pre></td></tr><tr><td>5</td><td><pre>____1 ____22 __333 _4444 55555</pre></td></tr></table>	Sample input	Sample output	3	<pre>__1 __22 333</pre>	5	<pre>____1 ____22 __333 _4444 55555</pre>	**
Sample input	Sample output							
3	<pre>__1 __22 333</pre>							
5	<pre>____1 ____22 __333 _4444 55555</pre>							
5.	<p>WAP that will print a pattern based on the input integer n. Please see the sample input output.</p> <table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>3</td><td><pre>3 32 321</pre></td></tr><tr><td>4</td><td><pre>4 43 432 4321</pre></td></tr></table>	Sample input	Sample output	3	<pre>3 32 321</pre>	4	<pre>4 43 432 4321</pre>	*
Sample input	Sample output							
3	<pre>3 32 321</pre>							
4	<pre>4 43 432 4321</pre>							
6.	<p>WAP that will print a pattern based on the input integer n. Please see the sample input output.</p> <table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>3</td><td><pre>1 12 123</pre></td></tr><tr><td>4</td><td><pre>1 12 123 1234</pre></td></tr></table>	Sample input	Sample output	3	<pre>1 12 123</pre>	4	<pre>1 12 123 1234</pre>	*
Sample input	Sample output							
3	<pre>1 12 123</pre>							
4	<pre>1 12 123 1234</pre>							

7.	WAP that will print a pattern based on the input integer n. Please see the sample input output.	*						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>4</td><td>**** **** **** ****</td></tr><tr><td>2</td><td>** **</td></tr></table>		Sample input	Sample output	4	**** **** **** ****	2	** **	
Sample input	Sample output							
4	**** **** **** ****							
2	** **							
8.	WAP that will print a pattern based on the input integer n. Please see the sample input output.	*						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5</td><td>***** **** *** ** *</td></tr><tr><td>2</td><td>** *</td></tr></table>		Sample input	Sample output	5	***** **** *** ** *	2	** *	
Sample input	Sample output							
5	***** **** *** ** *							
2	** *							
9.	WAP that will print a pattern based on the input integer n. Please see the sample input output.	**						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5</td><td>10101 01010 10101 01010 10101</td></tr><tr><td>3</td><td>101 010 101</td></tr></table>		Sample input	Sample output	5	10101 01010 10101 01010 10101	3	101 010 101	
Sample input	Sample output							
5	10101 01010 10101 01010 10101							
3	101 010 101							

10.	WAP that will print a pattern based on the input integer n. Please see the sample input output.	**						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5</td><td><pre>      *       **       ***       ****       *****</pre></td></tr><tr><td>3</td><td><pre>      *       **       ***</pre></td></tr></table>		Sample input	Sample output	5	<pre>      *       **       ***       ****       *****</pre>	3	<pre>      *       **       ***</pre>	
Sample input	Sample output							
5	<pre>      *       **       ***       ****       *****</pre>							
3	<pre>      *       **       ***</pre>							
11.	WAP that will print a pattern based on the input integer n. Please see the sample input output.	**						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5</td><td><pre>      *       ***       *****       ****       *****       *****</pre></td></tr><tr><td>3</td><td><pre>      *       ***       *****</pre></td></tr></table>		Sample input	Sample output	5	<pre>      *       ***       *****       ****       *****       *****</pre>	3	<pre>      *       ***       *****</pre>	
Sample input	Sample output							
5	<pre>      *       ***       *****       ****       *****       *****</pre>							
3	<pre>      *       ***       *****</pre>							
12.	WAP that will print a pattern based on the input odd integer n. Please see the sample input output.	***						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>9</td><td><pre>      *       ***       *****       ****       *****</pre></td></tr></table>		Sample input	Sample output	9	<pre>      *       ***       *****       ****       *****</pre>			
Sample input	Sample output							
9	<pre>      *       ***       *****       ****       *****</pre>							

13.	WAP that will print a pattern based on the input integer n. Please see the sample input output.	**						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>4</td><td>1____1 12__21 123_321 1234321</td></tr><tr><td>3</td><td>1__1 12_21 12321</td></tr></table>		Sample input	Sample output	4	1____1 12__21 123_321 1234321	3	1__1 12_21 12321	
Sample input	Sample output							
4	1____1 12__21 123_321 1234321							
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14.	WAP that will print a pattern based on the input odd integer n. Please see the sample input output.	**						
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Sample input	Sample output							
5	***** *   * *   * ***** *   * *   * *****							
3	*** *  * *  * ***							
15.	WAP that will print a pattern based on the input odd integer n. Please see the sample input output.	**						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5</td><td>ZZZZZ   Z   Z   Z ZZZZZ</td></tr><tr><td>7</td><td>ZZZZZZZ   Z   Z   Z   Z   Z ZZZZZZZ</td></tr></table>		Sample input	Sample output	5	ZZZZZ Z Z Z ZZZZZ	7	ZZZZZZZ Z Z Z Z Z ZZZZZZZ	
Sample input	Sample output							
5	ZZZZZ Z Z Z ZZZZZ							
7	ZZZZZZZ Z Z Z Z Z ZZZZZZZ							

16.	WAP that will print a pattern based on the input odd integer n. Please see the sample input output.	**						
<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>5</td><td>* _ * * _ * _ _ _ * _ _ _ _ _ * _ * * _ _ * _ *</td></tr><tr><td>7</td><td>* _ _ * * _ _ * _ _ _ _ * _ _ * _ _ _ _ * _ _ _ _ _ _ * _ _ * * _ _ _ * _ _ _ * _ _ *</td></tr></table>			Sample input	Sample output	5	* _ * * _ * _ _ _ * _ _ _ _ _ * _ * * _ _ * _ *	7	* _ _ * * _ _ * _ _ _ _ * _ _ * _ _ _ _ * _ _ _ _ _ _ * _ _ * * _ _ _ * _ _ _ * _ _ *
Sample input	Sample output							
5	* _ * * _ * _ _ _ * _ _ _ _ _ * _ * * _ _ * _ *							
7	* _ _ * * _ _ * _ _ _ _ * _ _ * _ _ _ _ * _ _ _ _ _ _ * _ _ * * _ _ _ * _ _ _ * _ _ *							
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<table><tr><th>Sample input</th><th>Sample output</th></tr><tr><td>9</td><td>_ _ \$ _ _ _ _ \$ _ _&lt;</td></tr></table>			Sample input	Sample output	9	_ _ \$ _ _ _ _ \$ _ _<		
Sample input	Sample output							
9	_ _ \$ _ _ _ _ \$ _ _<							

**18.**

WAP that will print a pattern based on the input odd integer n. Please see the sample input output.

**\*\***

Sample input	Sample output
5	H    H H    H H H H H H H    H H    H
7	H            H H            H H            H H H H H H H H H            H H            H H            H