

## Nested Loop related problems (total 20 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 78910</td></tr></table>		Sample input	Sample output	3	123 234 345	4	1234 2345 3456 78910
	Sample input		Sample output					
	3		123 234 345					
	4		1234 2345 3456 78910					
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.	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 __22 333</td></tr><tr><td>5</td><td>____1 ____22 __333 _4444 55555</td></tr></table>		Sample input	Sample output	3	__1 __22 333	5	____1 ____22 __333 _4444 55555	
Sample input	Sample output							
3	__1 __22 333							
5	____1 ____22 __333 _4444 55555							
5.	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>3 32 321</td></tr><tr><td>4</td><td>4 43 432 4321</td></tr></table>		Sample input	Sample output	3	3 32 321	4	4 43 432 4321	
Sample input	Sample output							
3	3 32 321							
4	4 43 432 4321							
6.	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 12 123</td></tr><tr><td>4</td><td>1 12 123 1234</td></tr></table>		Sample input	Sample output	3	1 12 123	4	1 12 123 1234	
Sample input	Sample output							
3	1 12 123							
4	1 12 123 1234							

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							
3	1____1 12__21 12321							
14.	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>3</td><td>*** *_* _***</td></tr></table>		Sample input	Sample output	5	***** *__* ***** *__* *****	3	*** *_* _***	
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><pre>*   *  *  * --  --  *  *  * --  -- *   *</pre></td></tr><tr><td>7</td><td><pre>*       *  *     * --   --  *  * --   --  *  *  * --   --  *   * --   -- *       *</pre></td></tr></table>			Sample input	Sample output	5	<pre>*   *  *  * --  --  *  *  * --  -- *   *</pre>	7	<pre>*       *  *     * --   --  *  * --   --  *  *  * --   --  *   * --   -- *       *</pre>
Sample input	Sample output							
5	<pre>*   *  *  * --  --  *  *  * --  -- *   *</pre>							
7	<pre>*       *  *     * --   --  *  * --   --  *  *  * --   --  *   * --   -- *       *</pre>							
17.	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><tr><td>13</td><td><pre>      \$       \$\$\$ \$</pre></td></tr></table>			Sample input	Sample output	9	<pre>      \$       \$\$\$ \$</pre>	13	<pre>      \$       \$\$\$ \$</pre>
Sample input	Sample output							
9	<pre>      \$       \$\$\$ \$</pre>							
13	<pre>      \$       \$\$\$ \$</pre>							

18.	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>H    H H       H H H H H H H       H H       H</td></tr><tr><td>7</td><td>H            H H            H H            H H H H H H H H H            H H            H H            H</td></tr></table>			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
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							