2D Array

Program 1:

Write a program to create a 2x2 2d array of integer elements.
And print all elements from a 2d array (take hardcoded values in array)

Output :
1 2
3 4

Program 2:

Write a program to create a 2x2 2d array of integer elements.
Insert values from user And print all elements from a 2d array

Input:
1
2
3
4
Output :
1 2
3 4

Program 3:

Write a program to create a (row x column) 2d array of integer elements.
Take the number of rows and columns values from the user.
Insert the values from user and print accordingly

Input:
Enter number of Rows = 2
Enter number of Column = 2
Enter elements in the array :
1
2
3
4

Output:
1 2
3 4

Program 4:

Write a program to create a (row x column) 2d array of integer elements.
Take the number of rows and columns values from the user.
And print a 2d array of odd numbers starting from 1

Input:
Enter number of Rows = 2
Enter number of Column = 2
Output:
1 3
5 7

Input:
Enter number of Rows = 3
Enter number of Column = 2
Output:
1 3
5 7
9 11

Program 5:

Write a program to create a row x column 2d array of integer elements.
Take the number of rows and columns values from the user.
And print a 2d array of numbers which are multiples of 10.

Input:
Enter number of Rows = 2
Enter number of Column = 2
Output:
10 20
30 40

Input:
Enter number of Rows = 3
Enter number of Column = 2
Output:
10 20
30 40
50 60

Program 6:

Write a program to create a row x column 2d array of integer elements.
Take the number of rows and columns values from the user.
And print a 2d array of palindrome numbers (exclude single digit)

Input:
Enter number of Rows = 2
Enter number of Column = 2

Output:
11 22
33 44

Input:
Enter number of Rows = 3
Enter number of Column = 2
Output:
11 22
33 44
55 66

Program 7:

Write a program to create a 2d array of integer elements.
Take the number of rows and columns values from the user.
And print a 2d array of numbers whose first digit is N,
take the N value from the user.

Input:
Enter number of Rows = 2
Enter number of Column = 2
Enter value of N = 3

Output:
3 30
31 32

Input:
Enter number of Rows = 3
Enter number of Column = 2
Enter value of N = 4

Output:
4 41
42 43
44 45

Program 8:

Write a program to create a 2d array of integer elements.
Take the number of rows and columns values from the user.
And print a 2d array of numbers whose last digit ends with N,
take the N value from the user.

Input:
Enter number of Rows = 2
Enter number of Column = 2
Enter value of N = 3

Output:
3 13
23 33

Input:
Enter number of Rows = 3
Enter number of Column = 2
Enter value of N = 4

Output:
4 14
24 34
44 54

Program 9:

Print this pattern using an array.
Take row value from the user (note: you can use jagged array)

```
*
*   *
*   *   *
*   *   *   *
```

Program 10:

Write a program to print prime numbers in such a manner that,
If the prime number is a single digit it should be in the first row,
If the prime number is a double-digit below 50, should be in the second row,
If the prime number is a double-digit above 50, should be in the third row,
If the prime number is a three-digit below 120, should be in the fourth-row

Output:

```
2   3   5   7
11  13  17  19  23  31  41  43  47
53  59  61  67  71  73  79  83  89  97
101 103 107 109 113
```