



Lab 6

	Input a i
Q1. Write a C++ program that asks the user for a positive integer x and then use a do	10
while loop to count down from x to 1. Then check if the number is even print even if the	10 is eve
number is odd print odd.	9 is odd
	8 is ever

Q2. Modify the Q1 and the program should print 10 random numbers and check which one is even and odd.

Q3. Write a program that uses a for loop to print the following shape of asterisks (*) to the console.

*	
**	

Q4. Write a program that uses a for loop to print the following shape to the console.

& *& **& ***& ***& ****&

Ir	nput	t a	number
10)		
10) is	s ev	/en
9	is	odo	k
8	is	eve	en
7	is	odo	ł
6	is	eve	en
5	is	odo	k
4	is	eve	en
3	is	odo	ł
2	is	eve	en
1	is	odo	ł





Q6. Write a program that uses a for loop to print the following shape of (\$) to the console.

Q7. Write a program that will produce the following:

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

Q8. Write a C++ program using nested loops to calculate and display the multiplication table (up to 10) for the numbers 1 to 10.

1 x 1 = 11 x 2 = 21 x 3 = 31 x 4 = 41 x 5 = 51 x 6 = 61 x 7 = 71 x 8 = 81 x 9 = 91 x 10 = 102 x 1 = 22 x 2 = 4...





Q9. Write a program that gets lowest number, highest number and number of times to repeat from user that repeats display the numbers from lowest to highest.

Enter lowest number: 1 Enter highest number: 15 Times to repeat: 3 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Q10. Write a program that will print out the following (Homework):

2	3	4	5	4	3	2	1
1	2	3	4	3	2	1	
	1	2	3	2	1		
		1	2	1			
			1				
	2	2 3 1 2 1	2 3 4 1 2 3 1 2 1 2 1	2 3 4 5 1 2 3 4 1 2 3 1 2 1 2 1 2 1	2 3 4 5 4 1 2 3 4 3 1 2 3 2 1 2 1 1 2 1	2 3 4 5 4 3 1 2 3 4 3 2 1 2 3 2 1 1 2 3 2 1 1 2 1 1 1	2 3 4 5 4 3 2 1 2 3 4 3 2 1 1 2 3 2 1 1 2 3 2 1 1 2 1 1 2 1