

CENG111 Computer Programming I

Labwork 9

1. Write a C program to input two integers at a time (x and y), until their product is negative. Program will find value of F according to the following rule, using loops. Program will find value of F according to the following rule, using loops.

- If the product of x and y is odd, then $F = 3x$
- If the product of x and y is even, then $F = y!$

```
Enter x and y: 4 5
F = 120
Enter x and y: 3 7
F = 9
Enter x and y: -1 3
Goodbye!
```

2. Write a C program to input n and display the below output.

Sample Run #1:	Sample Run #2:
Enter n: 3	Enter n: 7
1 2 3	1 2 3 4 5 6 7
4 5 6	8 9 10 11 12 13 14
7 8 9	15 16 17 18 19 20 21
	22 23 24 25 26 27 28
	29 30 31 32 33 34 35
	36 37 38 39 40 41 42
	43 44 45 46 47 48 49

3. Write a program where the user inputs an integer and the program outputs the following shape by using nested loops.

Sample Run #1:	Sample Run #2:
Enter a number: 6	Enter a number: 2
# # # # # #	##
# # # # #	##
# # # #	
# # #	
# #	
#	
# # # # # #	