



COMSATS University Islamabad, Lahore Campus

Lab Quiz#02

Course Title:	Programming fundamentals	Course Code:	CSC241	Credit Hours:	4(3,1)
Course Instructor:	Chaudhary Nadeem Ghafoor	Programme Name:	BCS		
Semester:	3 rd	Batch:	SP18-BCS	Section:	A
				Date:	22-06-2018
Time Allowed:	100 minutes	Maximum Marks:	50		
Student's Name:	Aoun-Haider	Reg. No.	CUI - - - /LHR		
Important Instructions / Guidelines: <ul style="list-style-type: none">Consider all the concepts discussed in last class and try your best to implement them.					

Task#01:

- 1) Take 5 numbers from user and print the largest and smallest number among them without using if selection statement. Make the alias of "int" type variable to "Integer". Hint [use nested ternary operator & typedef].

Task#02:

- 1) Take number from user and tell whether it is odd or even using ternary operator and you must print message about even or odd in ternary operator not separately.

Task#03:

- 1) Apply the bitwise operations on two numbers and apply left and right bit shifting and show that after left and right shifting on a single number, we get the same number.

Task#04

- 1) Take two numbers from user and tell its positive or negative using ternary operator.

Task#05

- 1) Make a function to convert Fahrenheit into Celsius and another function to convert Celsius to Fahrenheit.

Task#06

- 1) Take a single integer from user and print it in reverse order. User can enter integer of any size i.e. 123->321, 4521->1254 through a function named reverseOrder() which will return reversed number. You can use array to store sequence.
- 2) What will be the value of 'x' after this iteration of code semantic:
int a=2,b=4,c=5,x;

x=a-- + b++ - ++c;

x=???

- 3) What is the purpose of pre-defined function Clrscr() & getch().
 - 4) Print size of all datatypes using sizeof() function.
 - 5) Write a program that will convert days(taken from user) into year months and days in it.
For example, if user enter 856 days, it will have 2 years, 4 months and 6 days.
 - 6) Write another function that will return true or false whether user entered a character or not using if else selection statements.
 - 7) Which of the following is valid switch and its cases:
 - a) switch(func(a,v))
 - b) switch(2.3)
 - c) switch(a>b)
 - d) case 3:
 - e) case 1+2:
 - f) case 'a'>'b':
 - g) case x+2:
 - h) case 6.2:
- T/F if false explain why?
- 8) Can empty switch is valid?
 - 9) Can we place multiple default cases?
 - 10) Case label must be unique or not?
 - 11) Does Macro identifiers allowed in case label of switch case?
 - 12) Does nested switch cases are valid?
