**Q W2Computer Architecture and Organization**

**Lab Task-2**

**Final Term**

1. A program checks whether the value of DL register is 1,2,3 or 4. If the value is 1 or 3 then it prints ‘o’ and if the value is 2 or 4 then it prints ‘e’.
2. A program checks the value of DL and CL register. If the value of DL and CL is below 3 then it prints ‘b’.
3. Write a program that takes input from the user. If the input is ‘1’ then the program will show sum of 2 and 3. If the input is ‘2’ then the program will show the subtraction of 4 and 3. If the input is ‘3’ then the program will print the input. For other cases the program will show a character.
4. Write a program to print any ASCII character for 30 times.
5. Write a program to print any ASCII character for 27 times in 3 separate lines each containing 9 characters.
6. Write a code that takes input from a user and stops taking it when ‘enter’ pressed.
7. Write a code that takes input from a user and stops when the length of the input is more than 5.
8. Convert the following high-level pseudocode into assembly code

If (AL >= 2||AL <= 9)

{

ask user to input a character and print

}

Else

{

If(AL == character)

{

print ‘c’

}

Else

{ print ‘n’

}

}