1. Write an assembly language program to complete the following tasks.
2. Print the English alphabet in Uppercase letters and Lowercase letters. [10%]
3. Read a character from the keyboard. [05%]
4. Identify the character type and print a message as given below : [15%]

* “ This is an Uppercase Letter !!! “.
* “ This is a Lowercase Letter !!! “.
* “ Wrong Input !!!“.

1. If the user input is a letter then print it corresponding uppercase/lowercase letter.

[10%]

***Sample output :***

***ASCII value***

***A=65 to Z=90***

***a=97 to z=122***

Uppercase Alphabet

A B C D E F G H I J K L M

N O P Q R S T U V W X Y Z

Lowercase Alphabet

A b c d e f g h I j k l m

n o p q r s t u v w x y z

Enter a character : a

This is a Lowercase Letter !!!

The Uppercase Letter of your input is : A

1. Write an assembly language program to find number of different permutations of ***n*** distinct objects taken ***r*** at a time given by the following formula.

( Note : And is an integer between 0 – 255 ) [60%]

***Sample output :***

Enter the value for n : 5

Enter the value for r : 4

nPr Value is : 120