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**Submitted To:**

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Department of CSE

Daffodil International University

**Submitted By:**

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Section: PC – A

Department of CSE

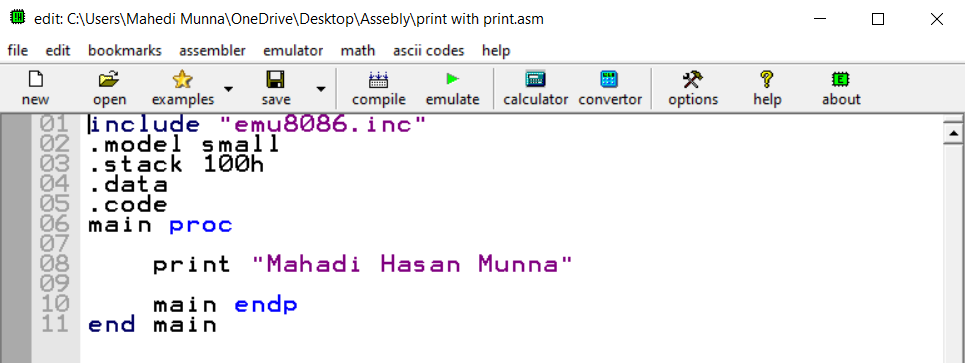
Lab Report

**Course Name: Microprocessor, Embedded Systems & IoT lab**

**Course Code: CSE 232**

**Lab 1**

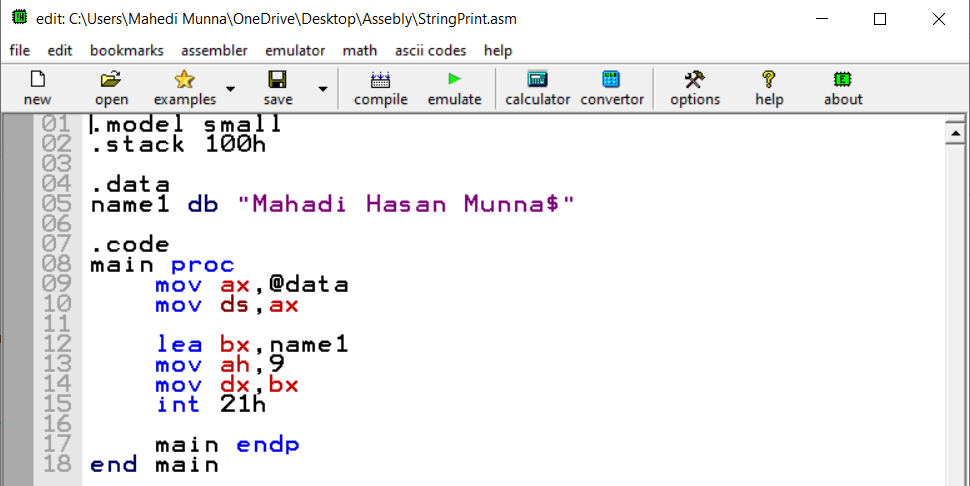
**1. Printing my name with print function.**

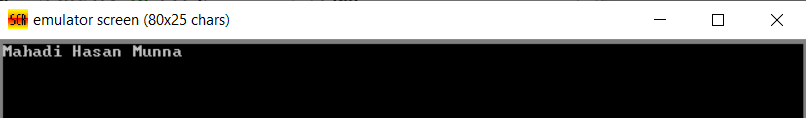
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**Output:**

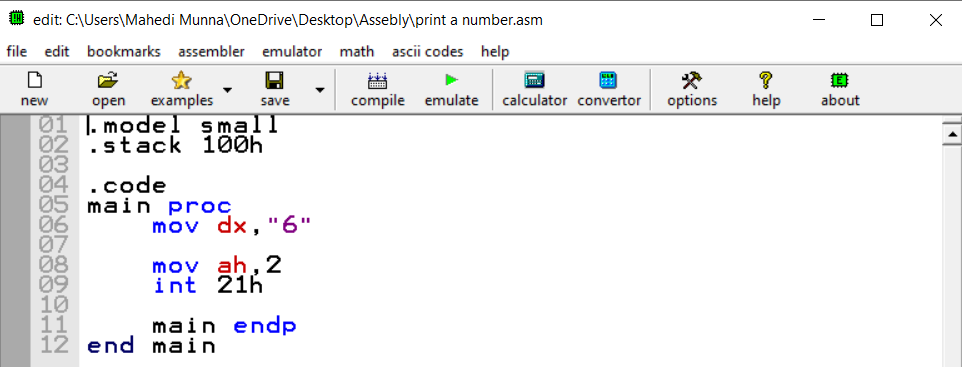
****

**2. Printing my name with assembly**

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**Output:** ****

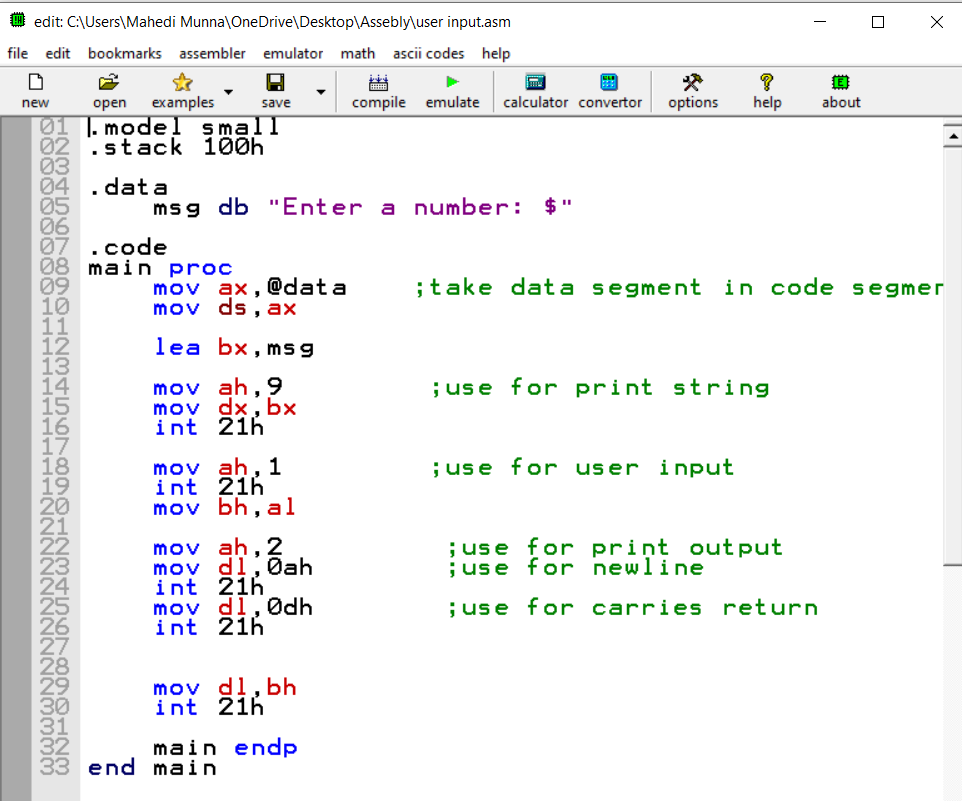
**Lab 2**

**1. Print a number** ****

**Output:**

****

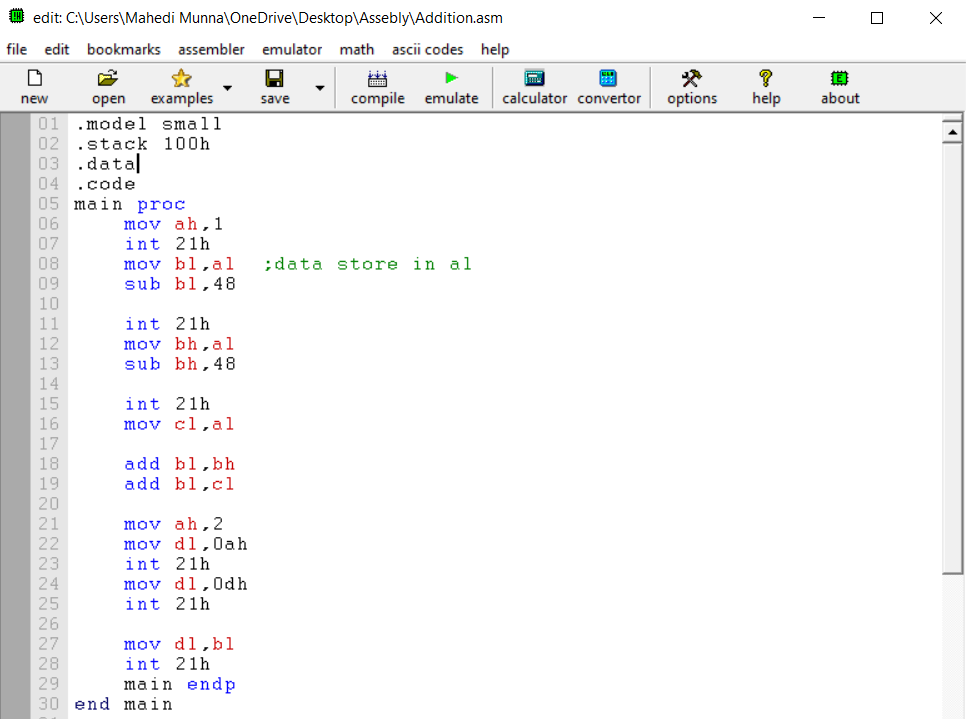
**2. Take a user input and print it.**

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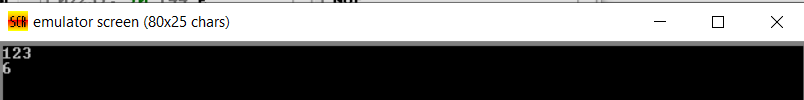
**Output:**

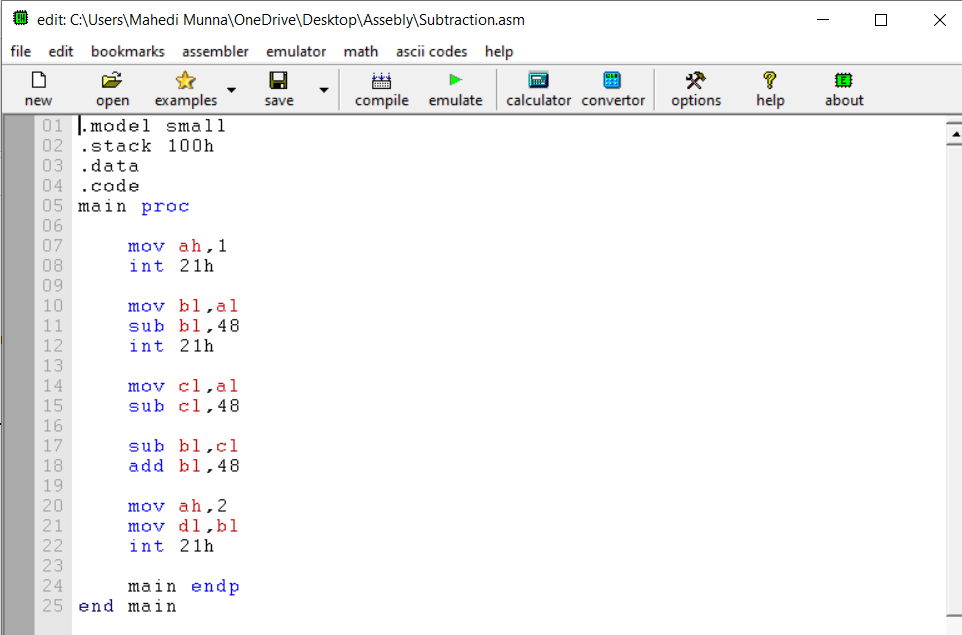
****

**3. Add 3 Numbers**

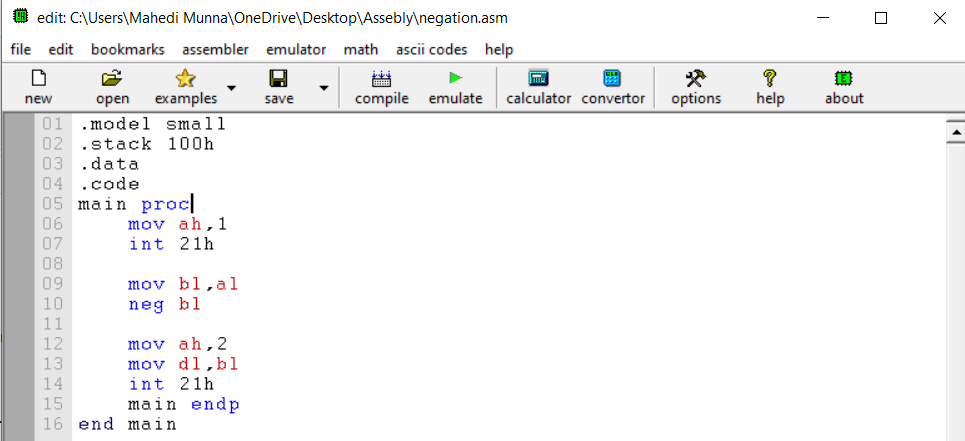
****

**Output:**

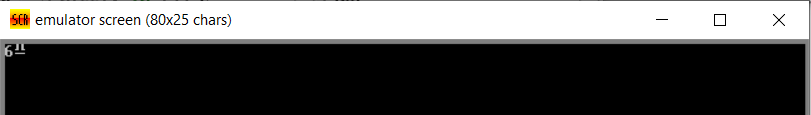
****

**4. Subtraction 2 numbers** ****

**Output:** ****

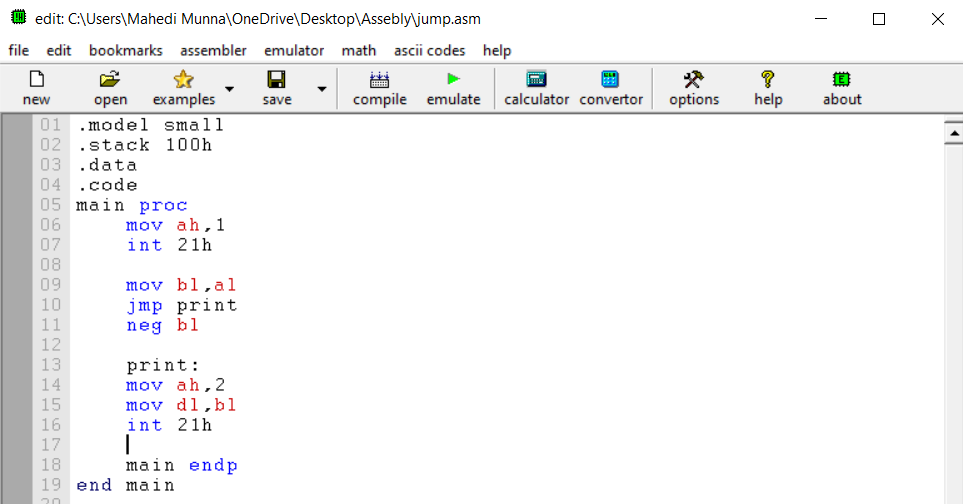
**5. Negation** ****

**Output:**

****

**Lab 3**

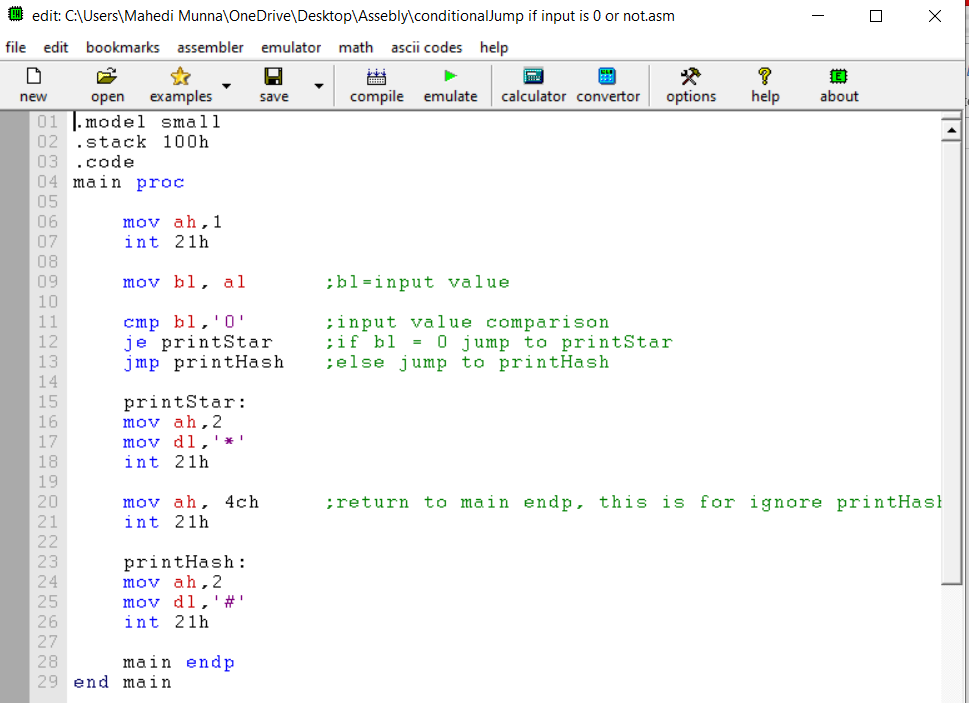
**1.Jump**

****

**Output:**

****

**2. Conditional Jump [If zero then print \* else #]**

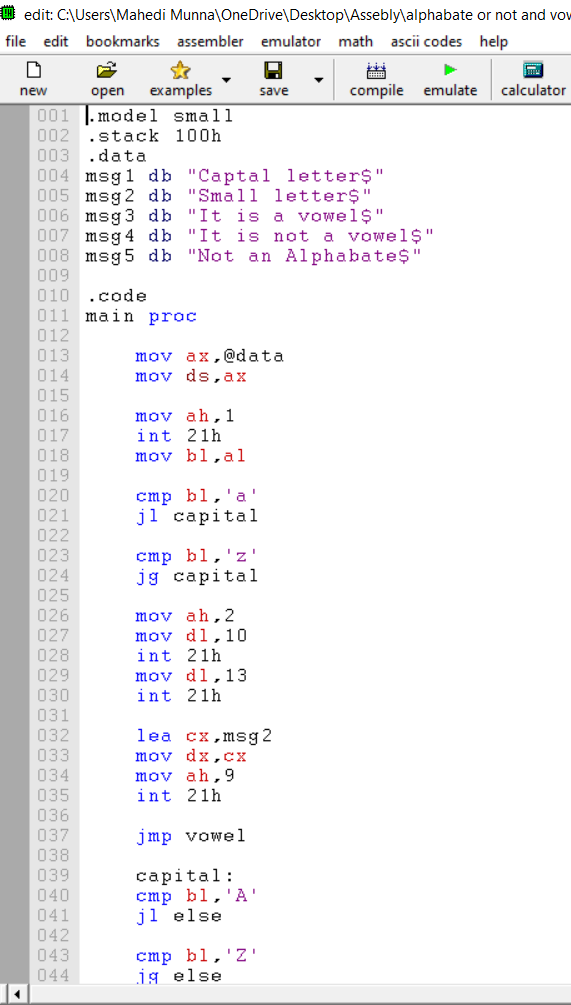
****

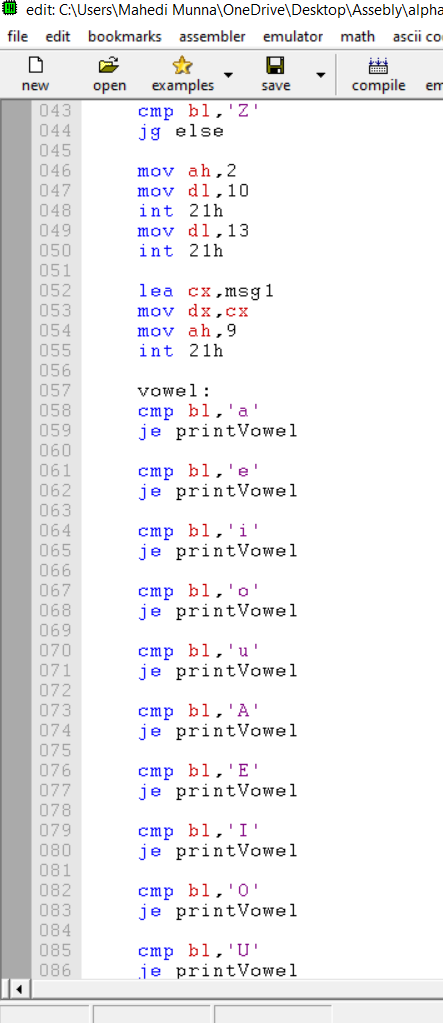
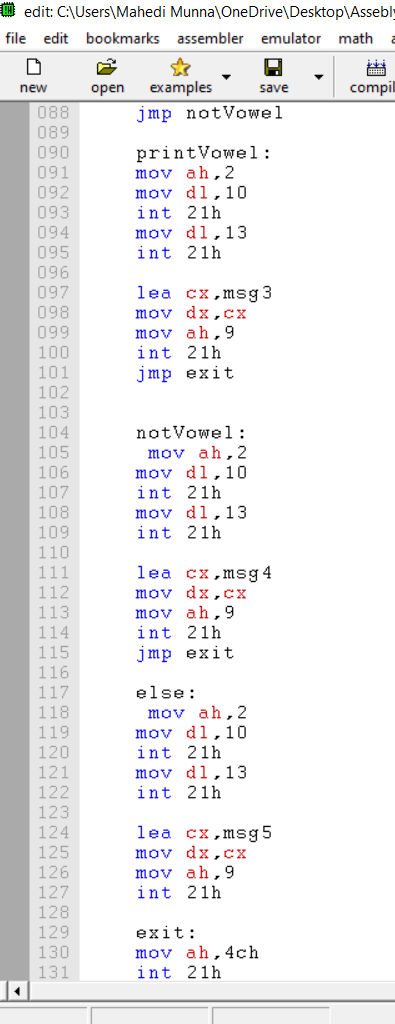
**Output:**

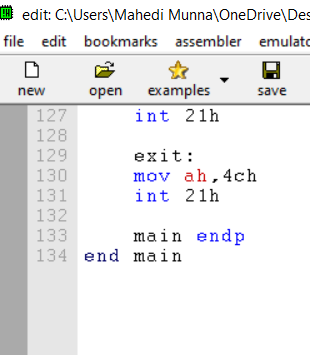
****

****

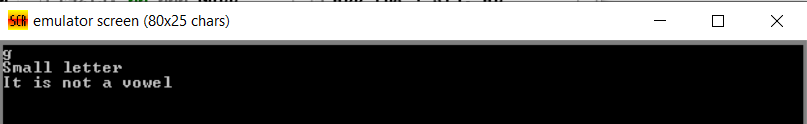
**3. Conditional jump [Capital/small, vowel/not vowel, alphabet/not]**

****

****

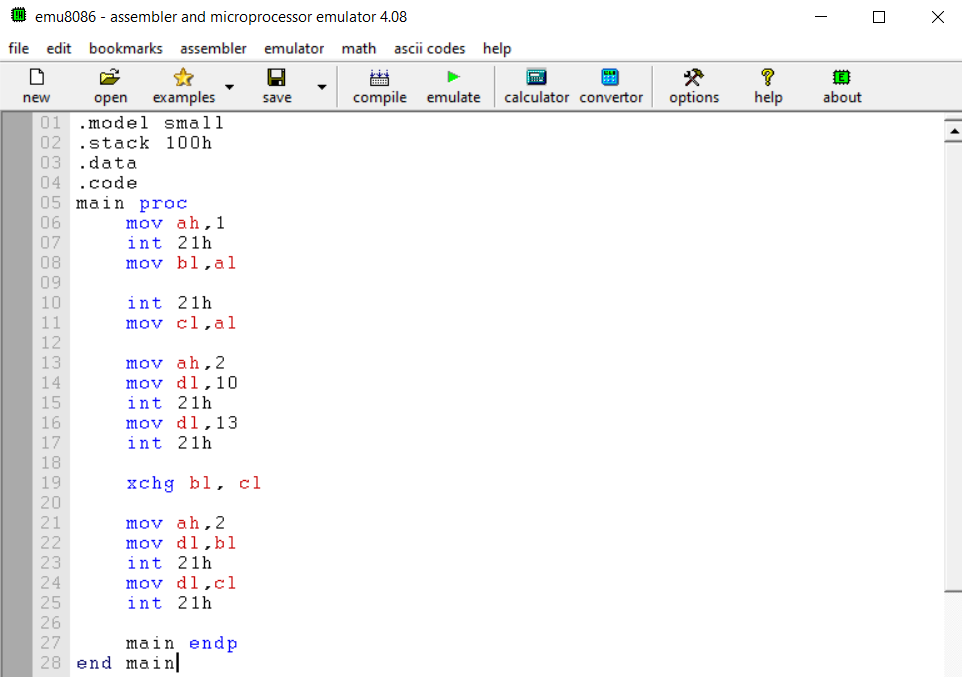
****

**Output:**

****

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4. Exchange Number

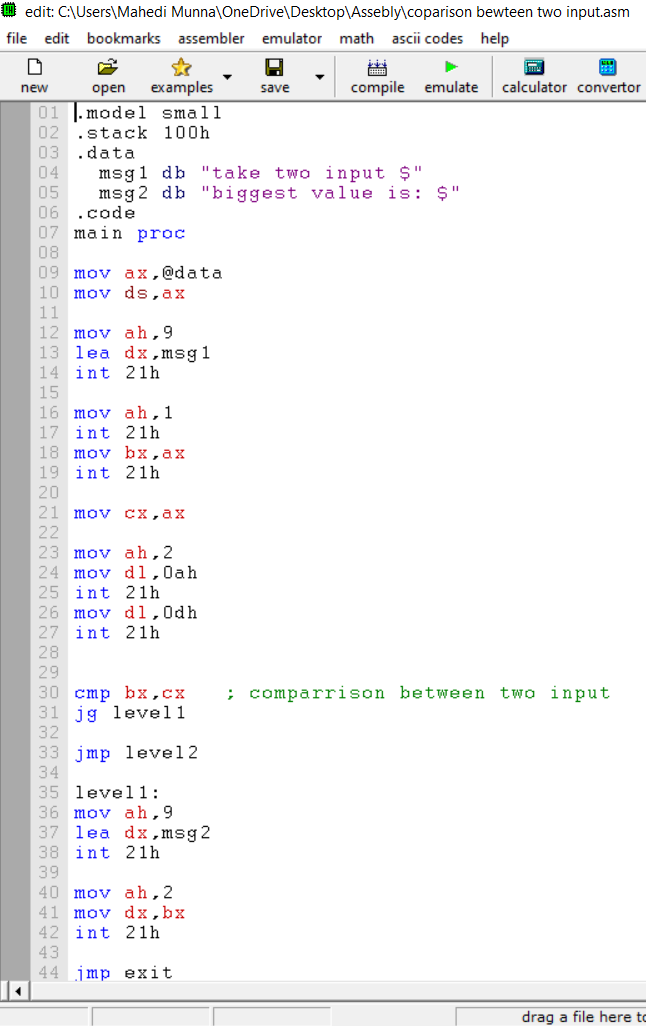
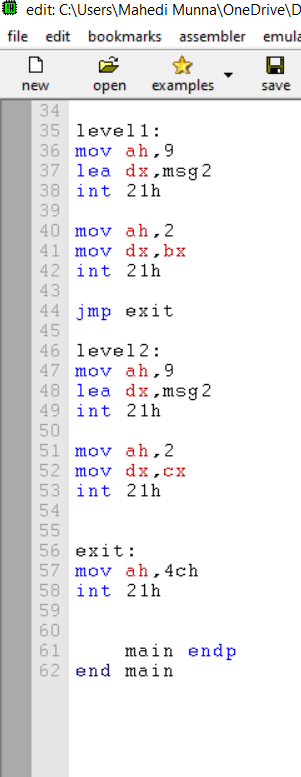


Output:



Lab 4

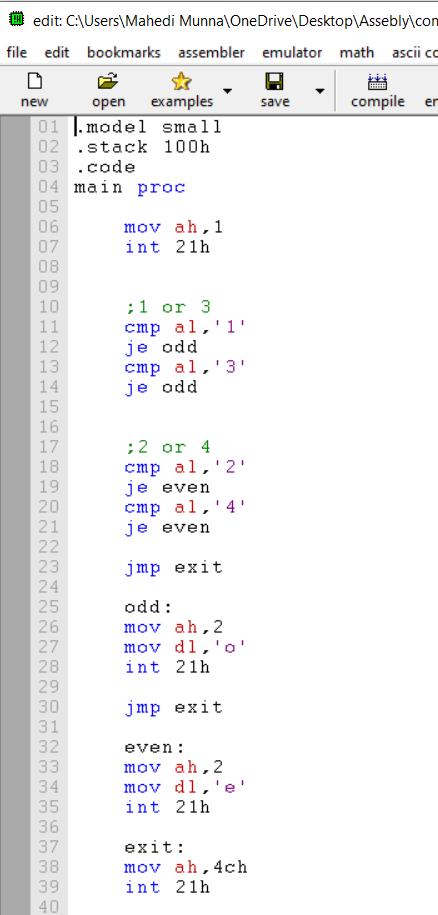
1.Compare and print biggest



Output:



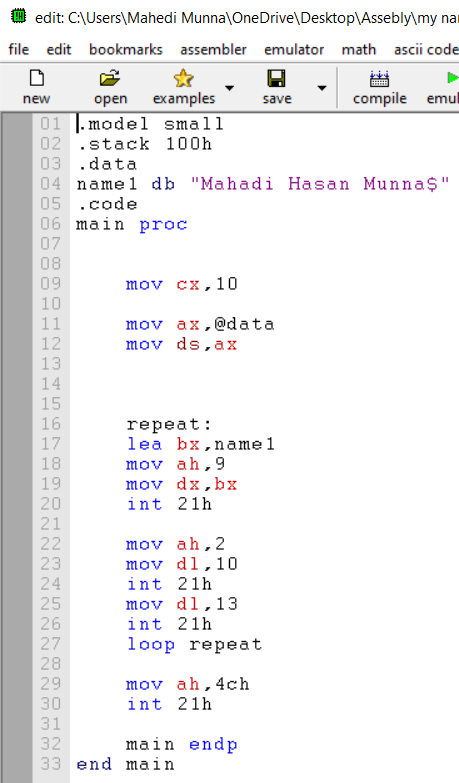
2. Even or Odd between 1 – 4



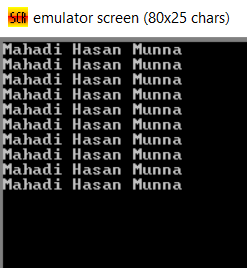
Output:



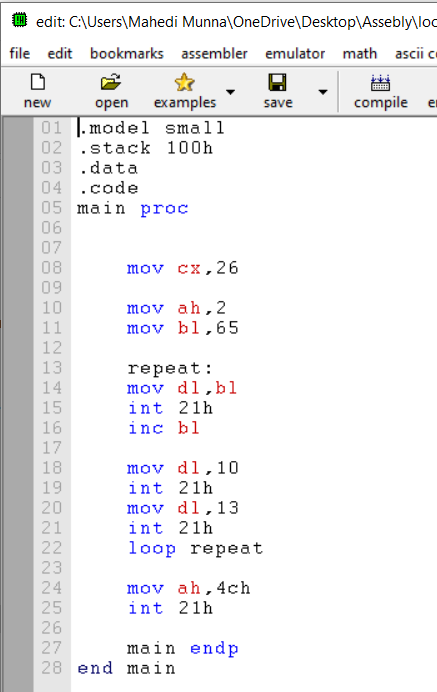
Lab 5

1.Print name 10 times with loop

Output:

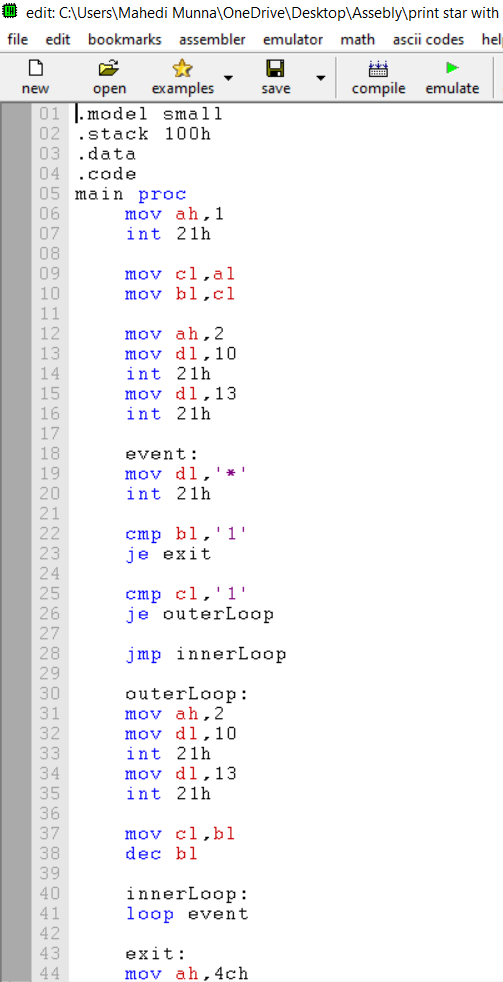


2. Print A to Z

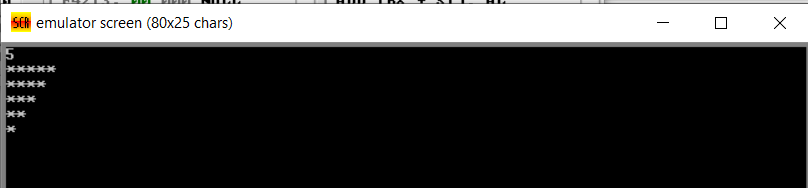
 Output:



3. Print star with decrement

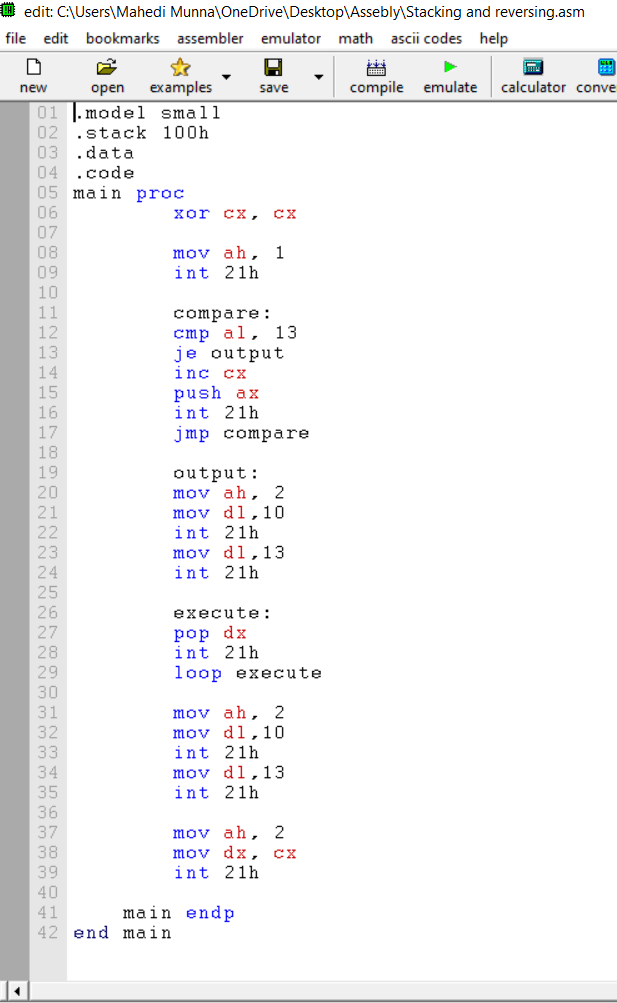


Output:

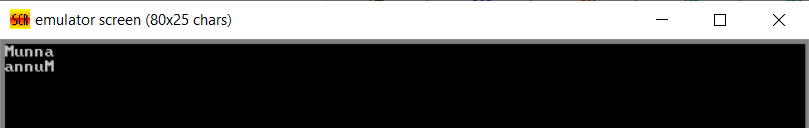


Lab 6

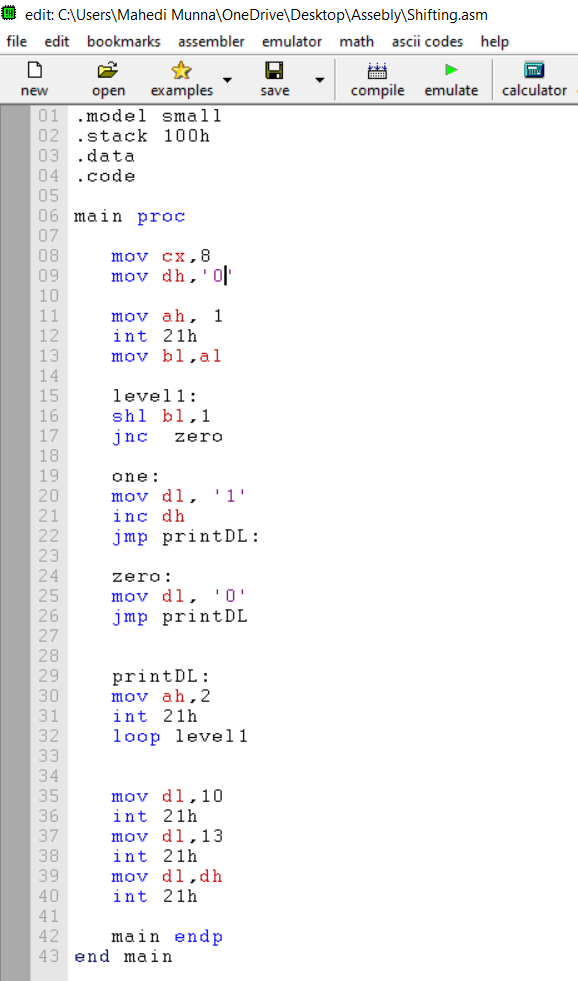
1.Reverse a string



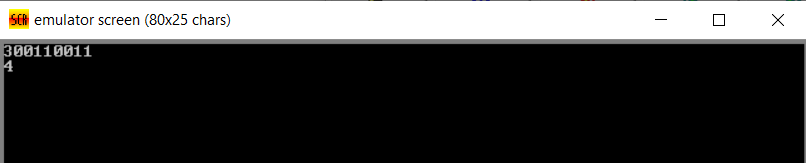
Output:



2. Count number of 1

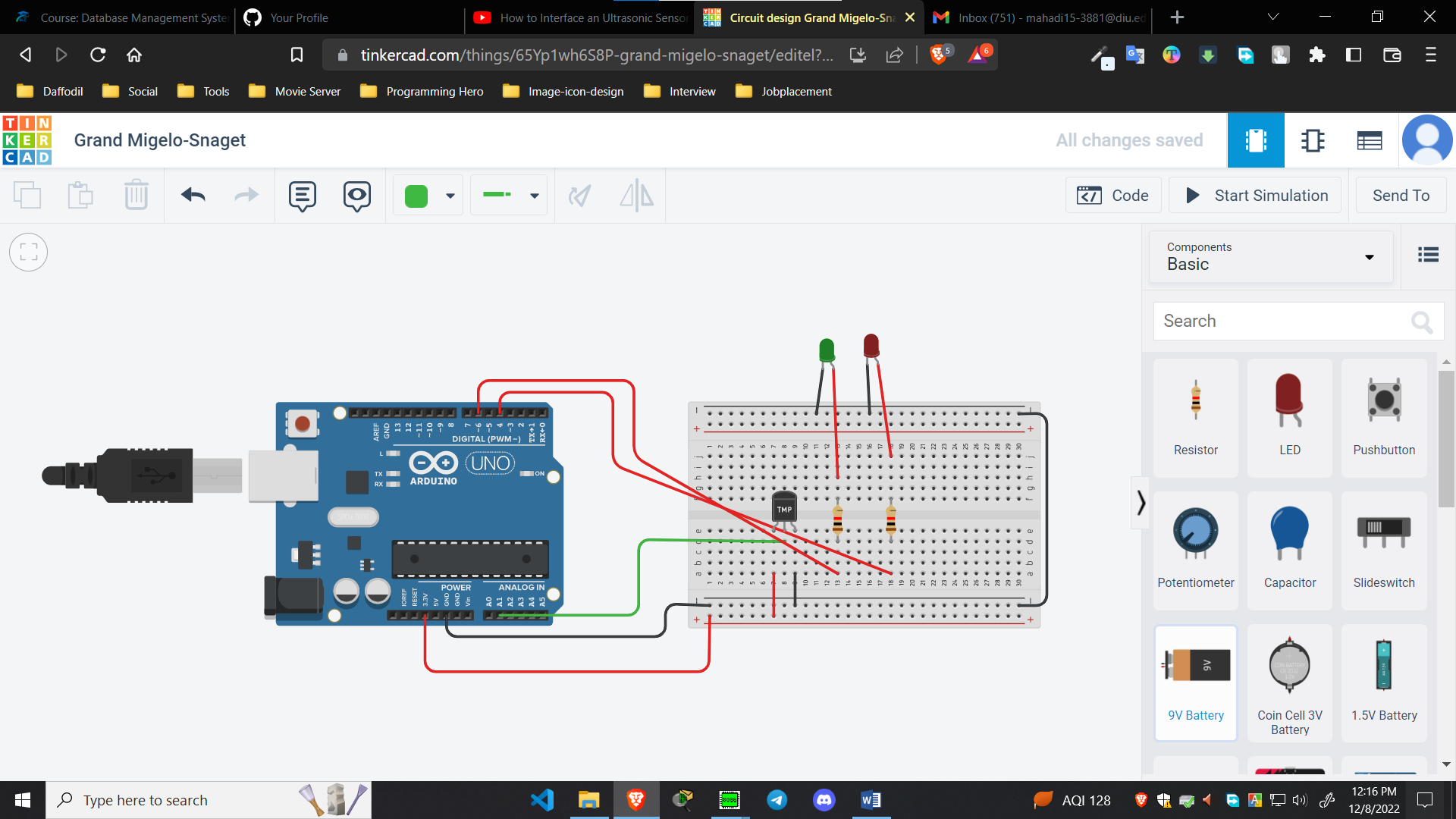


Output:



Lab 7

1. Temperature Sensor:



**Code:**

void setup()

{

pinMode(A1, INPUT);

pinMode(6, OUTPUT);

pinMode(4, OUTPUT);

Serial.begin(9600);

}

void loop()

{

float value = analogRead(A1);

float voltage = value \* (5/1024.0);

float temp = (voltage - 0.5) \* 100;

Serial.print("Temp value: ");

Serial.println(temp);

if(temp>10) {

if(temp<50) {

digitalWrite(6, HIGH);

digitalWrite(4, LOW);

}

else {

digitalWrite(4,HIGH);

digitalWrite(6,LOW);

}

}

else{

digitalWrite(4,HIGH);

digitalWrite(6,LOW);

}

delay(100);

}

