****

**LAB # 2**

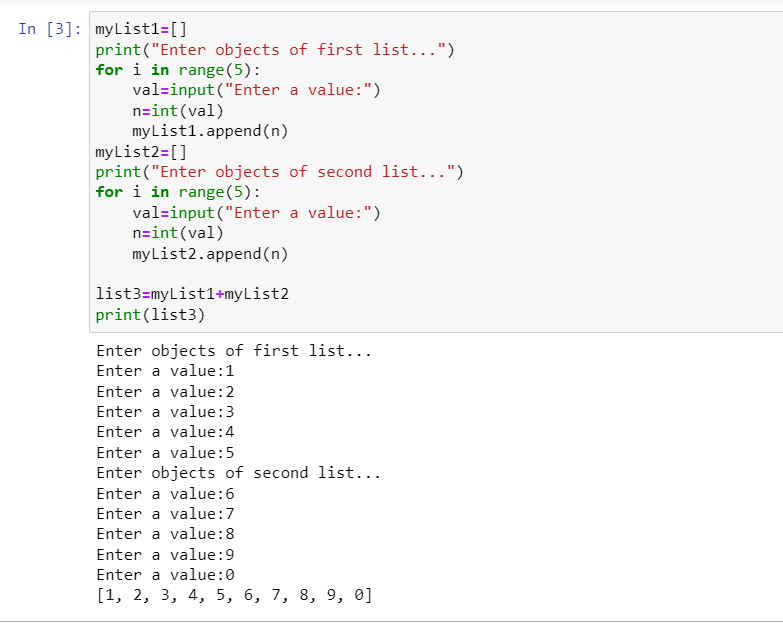
**SUBMITTED BY:** Kulsoom Khurshid

**REGISTRATION #:** SP20-BCS-044

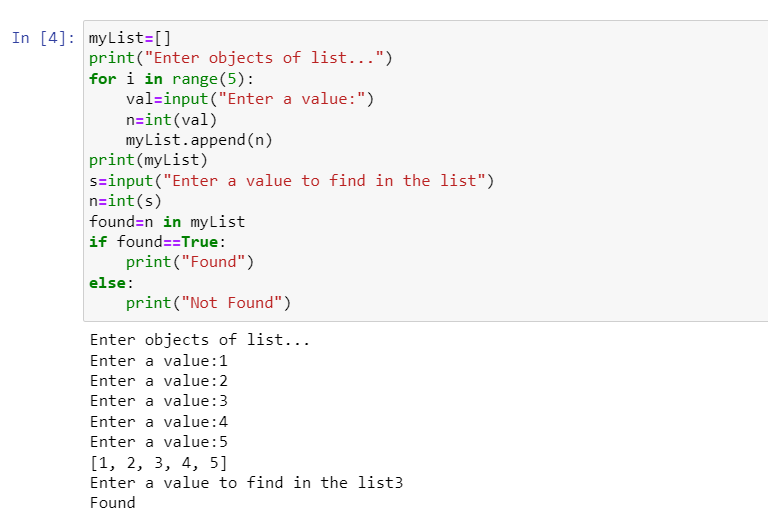
**COURSE:** Artificial Intelligence

**SUBMITTED TO:** Ma’am Shahela Saif

**Activity#1**

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**Activity#2**

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**Activity#3**

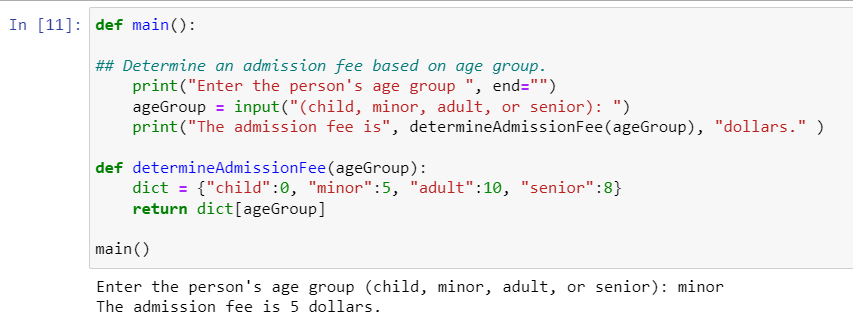
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**Activity#4**

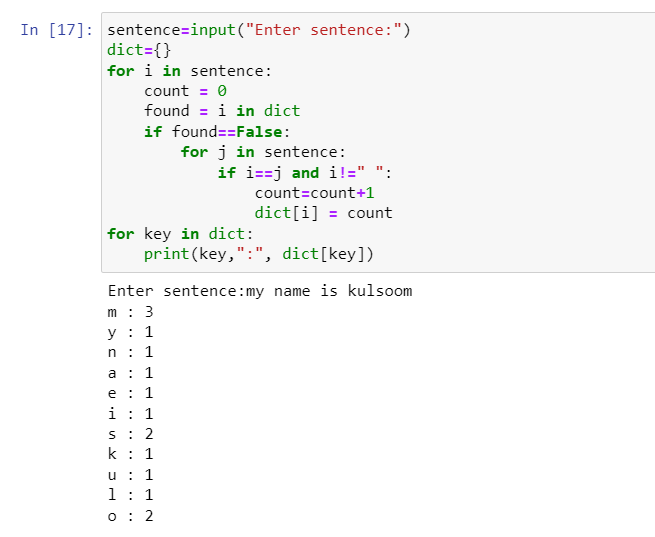
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**GRADED ACTIVITIES**

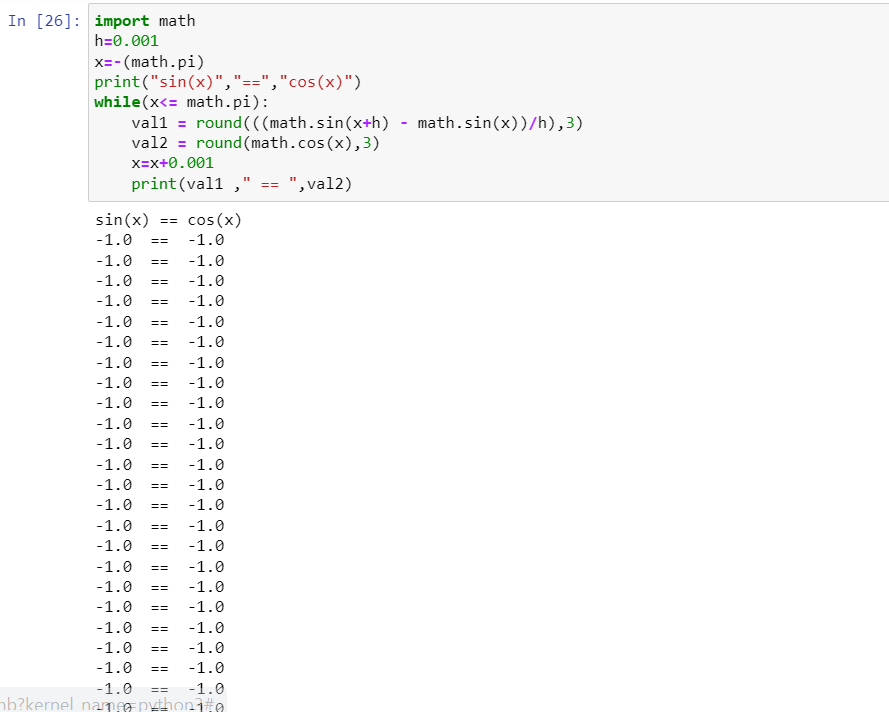
**Activity#1**

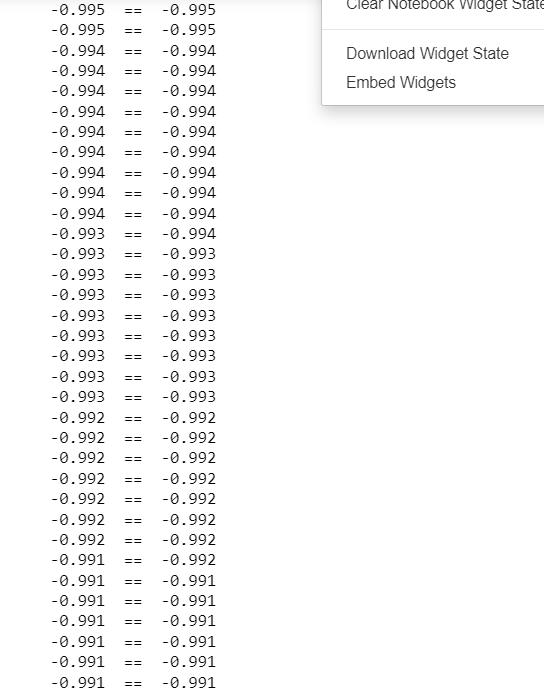
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**Activity#2**

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**Activity#3**

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As we increment the value of x by 0.01 we will have lesser values that will be equal for cos(x) and sin(x) than x value incremented by 0.001. Similarly, if x value incremented by 0.1 we will have lesser values that will be equal for cos(x) and sin(x) than x value incremented by 0.01.