**Quiz 01**

**Programming Language II**

**Course Code: CSE111**

**Semester: Fall 2022**

**Time: 30 minutes** **Full marks: 20**

| **Name:** | **ID:** | **Section:** |
| --- | --- | --- |

**Question 01 [CO1]**

Write a python function that will take a tuple as a parameter and return a book database as the form of a list [Check the sample input & output]

*Please read the following description carefully*:

Tuple will contain book name and book ID.

**Book ID** => **1010135,** where,

First three digits (**101**) => Book Genre

Next two digits (**01**) => Author name,

**01** represents **Gillian Flynn,**

**02** represents **Stephen King**

Rest of the digits (**35**) => Rating out of 100

**Rating**:

Below 50% means **Poor,** 50% to 85% means **Moderate** and rest meansof **Excellent** quality.

| **Sample input** | **Sample output** |
| --- | --- |
| (('Gone Girl', 1010135), ('Carrie', 10202100), ('The Shining', 1020277)) | ['Gillian Flynn', ('Gone Girl-Poor',), 'Stephen King', ('Carrie-Excellent', 'The Shining-Moderate')] |

def createLibraryData(given\_tuple):

#start your code from here

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**Question 01 [CO1]**

Write a python function that will take a tuple as a parameter and return a book database as the form of a list [Check the sample input & output]

*Please read the following description carefully*:

Tuple will contain book name and book ID.

**Book ID** => **1010135,** where,

First three digits (**101**) => Book Genre

**101** represents **Thriller**

**102** represents **Horror**

Next two digits (**01**) => Author name,

**01** represents **Gillian Flynn,**

**02** represents **Stephen King**

Rest of the digits (**35**) => Rating out of 100

***Hint:*** *convert the rating out of 10*

| **Sample input** | **Sample output** |
| --- | --- |
| (('Gone Girl', 1010135), ('Carrie', 10202100), ('The Shining', 1020277)) | ['Gillian Flynn', ('Gone Girl-Thriller-3.5',), 'Stephen King', ('Carrie-Horror-10.0', 'The Shining-Horror-7.7')] |

def createLibraryData(given\_tuple):

#start your code from here