➢ **Object Oriented Programming**

➢ **Lab 4**

Task – 1:

Create a Python class called Book with the following attributes and methods:

1. title (string): representing the title of the book.
2. author (string): representing the author of the book.
3. publication_year (integer): representing the publication year of the book.
4. __init__(self, title, author, publication_year): Constructor method to initialize
1. the attributes of the book object.
5. __str__(self): Method to return a string representation of the book object in the
2. format "Title: [title], Author: [author], Publication Year: [publication_year]"

```python
class Book:
    '''
    Represents a book with title, author, and publication year.
    '''

    def __init__(self, title, author, publication_year):
        '''
        Initializes a Book object.

        Args:
            title: The title of the book.
            author: The author of the book.
            publication_year: The publication year of the book.
        '''
        self.title = title
        self.author = author
        self.publication_year = publication_year

    def __str__(self):
        '''
        Returns a string representation of the book.

        Returns:
            A string in the format "Title: [title], Author: [author], Publication Year: [publication_year]".
        '''
        return f"Title: {self.title}, Author: {self.author}, Publication Year: {self.publication_year}"
book1 = Book("Avengers Endgame", "RDJ", 2008)
print(book1)

Title: Avengers Endgame, Author: RDJ, Publication Year: 2008
```