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Batch Name: ANP-C9553

Date: 11/12/2024

1 Or eate a Book class with bookld, bookName and author Name. Or eate parameter ized constructor to initialize the object. Or eate an ArrayList of type Book and store all book objects into collections and display all book details. [Hint: Use advanced for loop to display all Books details]

```
import java. util. ArrayList;
class Book {
  // Declare the properties of the Book class
  private int bookld;
  private String bookName;
  private String author Name,
  // Parameterized constructor to initialize the object
  public Book(int bookld, String bookName, String author Name) {
     this bookld = bookld:
     this bookName = bookName;
     this author Name = author Name
  // Getter methods (optional, depending on usage)
  public int getBookId() {
     return bookld;
  public String getBookName() {
     return bookName;
  public String getAuthor Name() {
     return author Name
  // Method to display book details
  public void displayBookDetails() {
   System. out. pr intln("Book ID: " + bookId);
   System. out. pr intln("Book Name: " + bookName);
     System. out. println("Author Name: " + author Name);
     System. out. println("-----");
}
public class Book Details {
  public static void main(String[] args) {
```

```
// Create an ArrayList of Book objects
ArrayList<Book> bookList = new ArrayList
// Create book objects and add them to the ArrayList
bookList. add(new Book(1) "To Kill a Mockingbird", "Harper Lee"));
bookList. add(new Book(2, "1984", "George Orwell"));
bookList. add(new Book(3, "The Great Gatsby", "F. Scott Fitzgerald"));
bookList. add(new Book(4, "Moby Dick", "Herman Melville"));

// Use an enhanced for loop (advanced for loop) to display all book details for (Book book: bookList) {
    book. displayBookDetails(); // Display each book's details
}
}
}
```

2 Write a program to reverse a given List of strings

```
import j ava. util. ArrayList;
import j ava. util. Collections;
import j ava. util. List;

public class ReverseList {
    public static void main(String[] args) {
        // Create a List of strings
        List<String> stringList = new ArrayList<>();

        // Add some strings to the list
        stringList. add("Apple");
        stringList. add("Banana");
        stringList. add("Cherry");
        stringList. add("Date");
```

```
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```

```
// Print original list
   System. out. println("Original List: " +stringList);

// Reversethelist using Collections reverse() method
   Collections reverse(stringList);

// Print reversed list
   System. out. println("Reversed List: " +stringList);
}

C:\Users\haris\Desktop\Learning Java>javac ReverseList.java

C:\Users\haris\Desktop\Learning Java>java ReverseList
   Original List: [Apple, Banana, Cherry, Date]
   Reversed List: [Date, Cherry, Banana, Apple]
```