

# **LIBRARY** Management System

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01

# Introduction

Here I have written about me and Project Description

# About Me

Name :- Bhatt Kunal

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Batch :- 32

Sem :- III



# Abstract

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To add customers, books, and check the availability of the books, we have created a Java programme. We have the ability to both issue and return books, and all of these records are kept in the database.



02

# Tools

Here I have written about tools and languages

## Tools and Language

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IDE :- Visual Studio

API :- JDBC

Language :- JAVA

RDBMS :- MySQL





03

# Code and Explanation

Here I have written about Code and it's Explanation



**Customer <> :-** I have made three function in which i had add Customer , Show Customer List and Delete Customer from the Records.

**Books <> :-** In this segment i have also made three function add a book , show available books and Delete book.

**Issue Book <> :-** In this segment you can issue a book by simply inserting you customer ID.

**Return Book <> :-** In this Segment you can return the book which you have issued.

**Exit <> :-** In this function you can exit the System.

```
void insertCust()
{
    try
    {
        Scanner in = new Scanner(System.in);
        String Q = "INSERT INTO CUSTOMER(CustomerName, CustomerPhone, CustomerArea) VALUES(?, ?, ?)";
        PreparedStatement stmt = con.prepareStatement(Q);
        System.out.println(x: "Enter your Name :");
        String cname = in.nextLine();
        System.out.println(x: "Enter your Phone Number :");
        String cphone = in.nextLine();
        System.out.println(x: "Enter your Area :");
        String carea = in.nextLine();
        stmt.setString(parameterIndex: 1, cname);
        stmt.setString(parameterIndex: 2, cphone);
        stmt.setString(parameterIndex: 3, carea);

        stmt.executeUpdate();

    }
    catch (Exception e)
    {
        e.printStackTrace();
    }
}

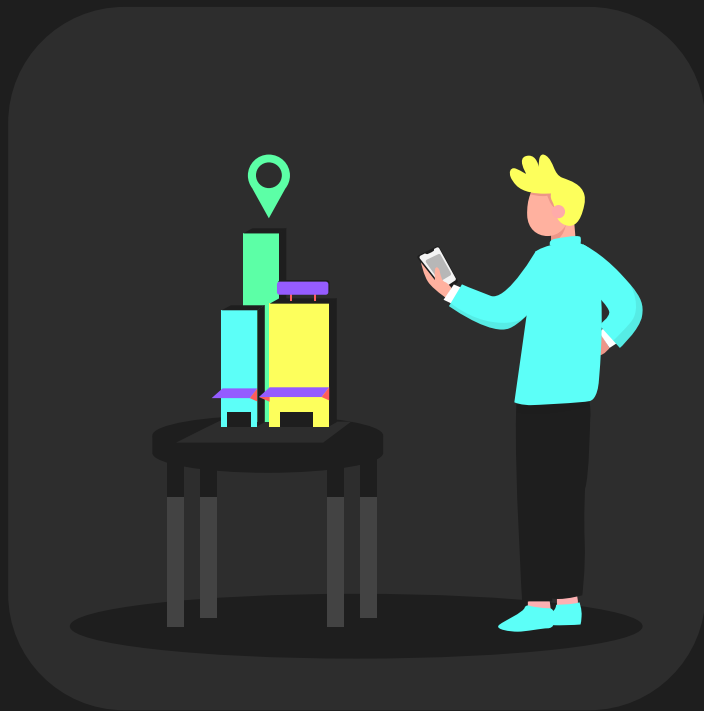
void insert_book()
{
    try
    {
        Scanner in = new Scanner(System.in);
        String Q = "INSERT INTO BOOK(BookName, BookAuthor, BookQuantity) VALUES(?, ?, ?)";
        PreparedStatement stmt = con.prepareStatement(Q);
        System.out.println(x: "Enter Book name :");
        String bname = in.nextLine();
        System.out.println(x: "Enter Author name :");
        String aname = in.nextLine();
        System.out.println(x: "Enter your Quantity :");
        int Quant = in.nextInt();
        stmt.setString(parameterIndex: 1, bname);
        stmt.setString(parameterIndex: 2, aname);
        stmt.setInt(parameterIndex: 3, Quant);

        stmt.executeUpdate();

    }
    catch (Exception e)
    {
        e.printStackTrace();
    }
}
```

# Output

```
./arg115 Library_Management_System
Enter Username :
Admin
Enter Password :
Admin
Welcome Admin
Press <1> For Customer Details
Press <2> For Books Details
Press <3> For Issue Book
Press <4> For Return the Book
Press <5> For Records
Press <6> For exit
Enter your Choice :
1
If you want to add Customer press<1>
If you want to Show Customer list press<2>
If you want to Delete Customer press<3>
Enter Your Choice :
```



# Thanks!

**Do you have any questions?**

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