

## Main Menu

```
PROBLEMS  OUTPUT  TERMINAL  PORTS  TRUFFLE  DEBUG CONSOLE

PS C:\Users\yyash\Documents\hexaware\Loan Management System ( Coding Challenge )>

-----Main Menu-----
Press-1 to Apply for a Loan
Press-2 to Check Loan Status
Press-3 to Calculate Interest
Press-4 to Calculate EMI
Press-5 to Loan Repayment
Press-6 to View All Loans
Press-7 to View Loan by ID
Press-8 to View Customer by ID
Press-9 to Exit
```

> If customer\_id is not present, then it will create a record first, then will add loan and then give back the loan\_id and customer\_id back to the user after taking all the details about Loan

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1

Enter Your Customer ID : 100
Error retrieving customer: Customer not found
Enter Your Name : Yash Pandey
Enter Your Email Address : yash.pandey@gmail.com
Enter Your Phone Number : 9991223456
Enter Your Address : 1682 Subhash nagar,bareilly,UP
Enter Your Credit Score : 700
Customer 'Yash Pandey' added to the database with Customer ID: 50
Enter the Principal Amount : 1000000
Enter the Loan Term in Months : 36
Enter the Loan Type (CarLoan/HomeLoan) : HomeLoan
Enter Interest Rate: 12
Enter the Property Address: 123 ABC Bly
Enter the Property Value: 1000000
Are Your Sure You Want to apply for the loan (y/n): y
Loan application successful. Loan ID: 15
Loan applied successfully for Customer ID: 50 and Loan Id 15
```

Pressing 2 to check the Loan status

```
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2  
  
Enter Your Loan ID : 15  
Customer ID: 50  
Credit Score: 700  
Loan status updated: Approved
```

pressing 3 :-

```
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Press-9 to Exit  
3  
  
Enter Your Loan ID : 15  
Total Interest of this Loan Amounts to : 36000000.0000
```

Pressing 4 :

```
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Press-7 to View Loan by ID  
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Press-9 to Exit  
4
```

```
Enter Your Loan ID : 15  
The EMI amounts to : 33214
```

Pressing 5:

Loan repayment

```
-----Main Menu-----  
Press-1 to Apply for a Loan  
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Press-9 to Exit  
5
```

```
Enter Your Loan ID : 15  
Enter Your Total Amount : 45000  
Loan repayment processed. Remaining principal amount: 955000.00
```

## Pressing 6 Viewing all loans in database

```
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6
```

Displaying All Loans:

```
Loan id , CustomerID, LoanAmount, Months, Rate, Category, Status, PropertyAddress, PropertyValue, CarModel, CarValue
(1, 23, Decimal('100000.00'), Decimal('12.00'), 12, 'HomeLoan', 'Rejected', None, None, None, None)
(2, 24, Decimal('103456.00'), Decimal('10.00'), 15, 'CarLoan', 'Approved', None, None, None, None)
(3, 26, Decimal('100000.00'), Decimal('12.00'), 12, 'CarLoan', 'Pending', None, None, None, None)
(4, 27, Decimal('100000.00'), Decimal('12.00'), 12, 'HomeLoan', 'Approved', None, None, None, None)
(5, 29, Decimal('121100.00'), Decimal('12.00'), 12, 'CarLoan', 'Pending', None, None, None, None)
(6, 30, Decimal('100000.00'), Decimal('10.00'), 24, 'HomeLoan', 'Rejected', None, None, None, None)
(7, 31, Decimal('100000.00'), Decimal('10.00'), 24, 'CarLoan', 'Approved', None, None, None, None)
(8, 32, Decimal('100000.00'), Decimal('10.00'), 36, 'CarLoan', 'Approved', None, None, '!def', 500000)
(9, 34, Decimal('100000.00'), Decimal('12.00'), 12, 'HomeLoan', 'Approved', 'sdasdasdasdas', 120000, None, None)
(10, 35, Decimal('100.00'), Decimal('12.00'), 12, 'HomeLoan', 'Rejected', 'asdasdassad', 100, None, None)
(11, 36, Decimal('100000.00'), Decimal('12.00'), 12, 'HomeLoan', 'Approved', 'sdadvfvf', 100000, None, None)
(12, 46, Decimal('100.00'), Decimal('12.00'), 12, 'CarLoan', 'Rejected', None, None, 'fr', 100)
(13, 47, Decimal('10.00'), Decimal('12.00'), 1, 'HomeLoan', 'Pending', 'sasdedec', 123, None, None)
(14, 49, Decimal('1000.00'), Decimal('12.00'), 12, 'HomeLoan', 'Rejected', 'qwddqdd', 122222, None, None)
(15, 50, Decimal('955000.00'), Decimal('12.00'), 36, 'HomeLoan', 'Approved', '123 ABC Bly', 100000, None, None)
```

## Pressing 7 :

### Viewing Loan By loan\_id

```
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Press-9 to Exit
7
```

Enter the Loan ID to view: 15

```
Loan id , CustomerID, LoanAmount, Months, Rate, Category, Status, PropertyAddress, PropertyValue, CarModel, CarValue
(15, 50, Decimal('955000.00'), Decimal('12.00'), 36, 'HomeLoan', 'Approved', '123 ABC Bly', 100000, None, None)
```

Pressing 8:

if customer found then it will return the customer info else customer not found exception

```
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8
```

```
Enter the Customer ID to view: 52  
Error retrieving customer: CustomerNotFoundException
```

```
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Press-4 to Calculate EMI  
Press-5 to Loan Repayment  
Press-6 to View All Loans  
Press-7 to View Loan by ID  
Press-8 to View Customer by ID  
Press-9 to Exit  
8
```

```
Enter the Customer ID to view: 50  
(50, 'Yash Pandey', 'yash.pandey@gmail.com', '9991223456', '1682 Subhash nagar,bareilly,UP', 700)
```

pressing 9

```
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Press-7 to View Loan by ID  
Press-8 to View Customer by ID  
Press-9 to Exit  
9
```

```
-----Thank You-----
```