| Vehicle Insurance Management System |
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| C++ |
| By Atharva Karandikar |
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ABSTRACT

The project is a 1064-line good quality code vehicle insurance management system that can be used by insurance agents to manage their customers and their policies. The system has many options to begin with.

Files created will be stored in directory "./Database" which in turn contains 2 directories – "./Database/Customers" & "./Database/Policies".

The directory "./Database/Customers" contains a file ".all_customers.txt" which will contain all the customer IDs, and files storing customer details will have name "customer_<customerld>.txt", and directory "./Database/Policies" contains a file "all_policies.txt" which will contain all the policy numbers, and file storing policy details will have name "policy_<policyNo>.txt".

OUTPUT

Menu of Options

```
Ensure Ltd.

| Ensure Ltd. Office 3, Koregoan Park, Pune - 411001, Maharashtra, India |
| Contact Number: +91-9822266622
| Choose an option:

1) Create Policy - To create new policy
2) Find Policy - To find policy based on key
3) View Policy Details - To find & print policy
4) View Customers - To find & policy to their policies with their premiums
5) Edit Customer - To find & edit details of customer
6) View Total Premium - To get total premium of all policies
7) View All Policies - To list all policies
8) Delete Policy - To find & delete policy
C) Clear Console Screen - To clear text of console screen
9) Quit - To quit program

Enter your choice:
```

Option 1 - 2

```
Enter your choice: 1

| 1) Create Policy - To create new policy |

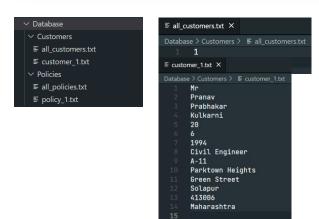
Choose an option:

1) Create Policy for Existing Customer
2) Create Policy for New Customer
3) So back

Enter your choice: 2

Enter the following details about the customer:
Name Prefix (Mr. Mrs. or Mx): Mr
First Name: Prophysical Service of Mrs. or Mx): Mr
First Name: Prophysical Service of Mrs. or Mx): Mr
First Name: Prophysical Service of Mrs. or Mx): Mr
First Name: Prophysical Service of Mrs. or Mx): Mr
First Name: Prophysical Service of Mrs. or Mx): Mr
First Name: Prophysical Service of Mrs. or Mx): Mr
First Name: Prophysical Service of Mrs. or Mx): Mr
First Name: Prophysical Service of Mrs. or Mrs. or Mx): Mr
First Name: Name:
```

The database directory has been created. Also, the associated information has been stored in respective files.





Option 2 - 1

```
Enter your choice: 2

| 2) Find Policy - To find policy based on key |

Choose an option:

1) Find Policy by Policy Number
2) Find Policy by Vehicle Registration Number
3) Find Policy by Engine Number
4) Find Policy by Chassis Number
5) Go back

Enter your choice: 2

Enter Vehicle Registration Number (SSDDAANNNN): mh13pl1416
Policy with vehicle registration number MH13pl1416 exists, and has policy number 1
```

Option 3 - 1

```
Enter your choice: 3

| 3) View Policy Details - To find & print policy |

Choose an option:

1) Find Policy by Policy Number
2) Find Policy by Wentlet Registration Number
3) Find Policy by Chassis Number
5) Find Policy by Chassis Number
5) Find Policy by Chassis Number
6) Find Policy by Chassis Number
7) Find Policy which is 1

Finter your choice: 1

Finter your choice: 1

Finter your choice: 1

Folicy Minter: 1

| Courtomer Noiley Number: 1 | 1

| Courtomer Noiley Number: 2

| Folicy Number: 3

| Folicy Number: 1 | 1

| Courtomer Address | : A-11, Parktown Heights, Green Street, Solapur - 413086, Haharsshtra, India

| Policy Start Date | : 18/12/2022

| Folicy Start Date | : 18/12/2022

| Total Premium (with 657) | : Rs. 8,683

| Vehicle Registration Authority | : Solapur

| Registration Authority | : Solapur

| Folicy Start Namer | : 26078135

| Folicy Number | : 1728466

| Chassis Number | : 20078135

| Ramer St. Model | : Sozaki Balene Alpha 1.2

| Ramer St. Model | : Sozaki Balene Alpha 1.2

| Santing Capacity (EC) | : 1200

| Senting Capacity | : 5
```

Option 2 - 1

Option 2 - 1

```
Enter your choice: 1

| 1) Create Policy - To create new policy |

Choose an option:

1) Create Policy for Existing Customer
2) Create Policy for New Customer
3) Go back

Enter your choice: 1

Enter Customer ID: 1

Customer found.

Enter the following details about the vehicle:

Manufacture Year (YYYY): 2021

Make (Manufacturer): Toyota

Model: Land Cruiser LC 200 VX

IDV (Insured's Declared Value) (in Rs.): 147000

Registration No (SSDDAANNNN): mh13mv1111

Engine No: 450ph673d

Chassis No: 38v68x6

CC (Cubic Capacity): 4461

Seating Capacity (N): 7

Registration Authority: solapur

Policy with policy number 2 created successfully for customer with customer ID 1.
```

Option 2 - 2

```
Enter your choice: 1

| 1) Create Policy - To create new policy |

Choose an option:

1) Create Policy for Existing Customer
2) Create Policy for New Customer
3) So back

Enter your choice: 2

Enter the following details about the customer:
Name Prefix (Mr, Mrs, or Mx): mrs
First Name: salvaini
Nindle Name: asivi
Last Name: salvaini
Liast Name: karandikan
Birth Date (DD): 14
Birth Month (MM): 86
Birth Vaer (YYYY): 1980
Occupation: software developer
Residence Name: parkside greens
Residence Name: parkside greens
Residence Name: parkside greens
Residence Street / Chowk: tech square
Residence Street / Chowk: tech square
Residence Street and manashtra
Enter the following details about the vehicle:
Namusecture Year (YYYY): 2921
Registration No (SSDOAMNWH): mil%n188801
Enjane No: d4609tg
Chassis No: 17X-65X4
CC (Cubic Capacity): 13608
Seating Capacity (N): 5
Registration Authority: solapur
```

Database



Option 4

Option 6

```
Enter your choice: 6

| 6) View Total Premium - To get total premium of all policies |

| Total Premium | : Rs. 51,478
```

Option 7

Option 7

Previous customer_1.txt

New customer_1.txt file

Option 8

Option 7

Option Q



■ policy_3.txt