C LANGUAGE PROJECT

GROUP L

CODE OF INSURANCE POLICY SYSTEM

INPUT

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

// Define the structure for an insurance policy

struct Policy

{

    int policyNumber;

    char customerName[100];

    double premiumAmount;

};

// Function to add a new policy to the database

void addPolicy(struct Policy policies[], int\* policyCount)

{

    if (\*policyCount < 10)

    {

        printf("Enter Policy Number: ");

        scanf("%d", &policies[\*policyCount].policyNumber);

        printf("Enter Customer Name: ");

        scanf(" %[^\n]", policies[\*policyCount].customerName);

        printf("Enter Premium Amount: ");

        scanf("%lf", &policies[\*policyCount].premiumAmount);

        (\*policyCount)++;

        printf("Policy added successfully.\n");

    } else

    {

        printf("Policy limit reached.\n");

    }

}

// Function to view all policies in the database

void viewPolicies(struct Policy policies[], int policyCount)

{

    printf("Policy Number\tCustomer Name\tPremium Amount\n");

    for (int i = 0; i < policyCount; i++)

    {

        printf("%d\t\t%s\t\t%.2lf\n", policies[i].policyNumber, policies[i].customerName, policies[i].premiumAmount);

    }

}

int main()

{

    struct Policy policies[10];

    int policyCount = 0;

    int choice;

    while (1)

    {

        printf("\nInsurance Policy System\n");

        printf("1. Add Policy\n");

        printf("2. View Policies\n");

        printf("3. Exit\n");

        printf("Enter your choice: ");

        scanf("%d", &choice);

        switch (choice)

        {

            case 1:

                addPolicy(policies, &policyCount);

                break;

            case 2:

                viewPolicies(policies, policyCount);

                break;

            case 3:

                exit(0);

            default:

                printf("Invalid choice. Please try again.\n");

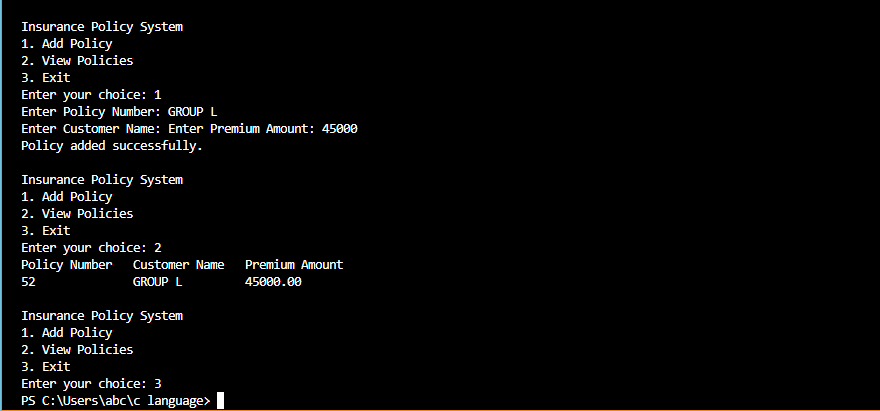
        }

    }

    return 0;

}

**OUTPUT**

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