#include <stdio.h>

#include <stdlib.h>

int main() {

int option = 0;

int balance = 0;

int deposit = 0;

int loan\_amount = 0;

int is\_new\_user = 1;

printf("Welcome to the Bank!\n");

while (1) {

printf("\nMenu\n");

printf("1. Check Balance\n");

printf("2. Register\n");

printf("3. Deposit\n");

printf("4. Request Loan\n");

printf("5. Quit\n");

printf("Enter an option: ");

scanf("%d", &option);

switch (option) {

case 1:

printf("Your balance is: %d\n", balance);

break;

case 2:

if (!is\_new\_user) {

printf("You are already registered.\n");

} else {

printf("Registration successful!\n");

is\_new\_user = 0;

}

break;

case 3:

if (is\_new\_user) {

printf("Please register first.\n");

} else {

printf("Enter the amount to deposit: ");

scanf("%d", &deposit);

balance += deposit;

printf("Your new balance is: %d\n", balance);

}

break;

case 4:

if (is\_new\_user) {

printf("Please register first.\n");

} else {

printf("Enter the loan amount: ");

scanf("%d", &loan\_amount);

if (balance >= 500 && loan\_amount <= balance) {

balance -= loan\_amount;

printf("Loan approved! Your new balance is: %d\n", balance);

} else {

printf("Loan request denied.\n");

}

}

break;

case 5:

printf("Thank you for using our service.\n");

exit(0);

default:

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

}

}

return 0;

}

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