Sample: C - ATM Machine C Program

#include <stdio.h>
#include <stdlib.h>

void AccountMenu( char *typeAccat);
void ShowBalance( double currBal);
void DepositMoney( double *currBal);
void WithdrawMoney( double *currBal);
void Repeat( char *doAgain);

void mainMenu( int *choice) {
    printf("Please choose from the following menu:
DEPOSIT .......... 1
WITHDRAWAL ........ 2
ACCOUNT BALANCE... 3
To transfer money, first select (2) for WITHDRAWAL
Then (1) for DEPOSIT\nYour selection: ");
    scanf("%d", choice);
}

/*Displays the types of account they would like to access and sets the value of the chosen account type*/
void AccountMenu( char *typeAccat) {
    printf("Type of account\nChoose C for Checking\nChoose S for Savings\nChoose R for Credit\n");
    scanf("%s", typeAccat);
    printf("\n");
}

//Prompts the user for the amount of their deposit and updates the selected account
void DepositMoney( double *currBal) {
    double depotsit;

    printf("Please enter amount you would like to deposit\n");
    scanf("%lg", &depotsit);
    *currBal += depotsit;
    printf("Don't forget your receipt!\n");
}

//Displays the user’s current account balance for the selected account
void ShowBalance( double currBal) {
    printf("You have %.2f in your account\n", currBal);
}

//Prompts the user for the amount of the withdrawal, determines if there are sufficient funds and updates the selected account if funds are dispensed
void WithdrawMoney( double *currBal) {
    double requestedFunds;

    printf("Please enter the amount of your withdrawal: \n");
    scanf("%lg", &requestedFunds);

    if( requestedFunds > *currBal ) {
        printf("Warning! Insufficient funds!\n");
        return;
    }
    *currBal -= requestedFunds;
    printf("Please take your cash and receipt\n");
}

//Asks the user if he wants another transaction

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void Repeat(char *doAgain) {
  printf("Do you wish to make another selection? (y or n): 
");
  scanf("%s", doAgain);
}

int main() {
  double checking = 575.0;
  double savings = 3750.0;
  double credit = -450.0;
  char typeAccat, doAgain;
  int choice;
  double currBal;

  printf("Welcome to MyBank\n");
  do {
    mainMenu(&choice);
    switch (choice) {
      case 1:
        AccountMenu(&typeAccat);
        switch (typeAccat) {
          case 'C':
            DepositMoney(&checking);
            break;
          case 'S':
            DepositMoney(&savings);
            break;
          case 'R':
            DepositMoney(&credit);
            break;
          default:
            printf("Please select an account type correctly\n\n");
            break;
        }
        break;
      case 2:
        AccountMenu(&typeAccat);
        switch (typeAccat) {
          case 'C':
            WithdrawMoney(&checking);
            break;
          case 'S':
            WithdrawMoney(&savings);
            break;
          case 'R':
            WithdrawMoney(&credit);
            break;
          default:
            printf("Please select an account type correctly\n\n");
            break;
        }
        break;
      case 3:
        AccountMenu(&typeAccat);
        switch (typeAccat) {
          case 'C':
            ShowBalance(checking);
            break;
          case 'S':
            ShowBalance(savings);
            break;
        }
    }
  } while (choice != 4);
}"
ShowBalance(savings);
break;
case 'R':
    ShowBalance(credit);
    break;
default:
    printf("Please select an account type correctly\n\n");
    break;
} 
break;
default:
    printf("Please select an account type correctly\n");
    break;
} 
printf("\n");
Repeat(&doAgain);
} while (doAgain != 'N' && doAgain != 'n');

system("pause");
return 0;
}