

# The Mind Installers of KSS

## C Programming - Project

### \*\*PETTYCASH BOOK \*\*

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
#include <stdlib.h>
```

```
#include <string.h>
```

```
#include "mind.h"
```

```
struct Expense {
```

```
    int id;
```

```
    char date[20];
```

```
    char description[100];
```

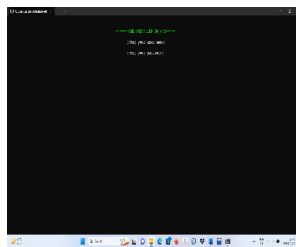
```
    float amount;
```

```
};
```

```
float Your_Account_Balance = 100000.0;
```

```
char uname[] = {"mind"}, upass[] = {"1234"};
```

### Output:-



### Function Extension:-

```
void profile();
```

```
void login();
```

```
void addExpense(struct Expense expenses[], int *expenseCount);
```

```
void displayExpenses(struct Expense expenses[], int expenseCount);
```

```

void searchExpensesByDate(struct Expense expenses[], int expenseCount, char searchDate[20]);
void updateExpense(struct Expense expenses[], int expenseCount);
void deleteExpense(struct Expense expenses[], int *expenseCount, int idToDelete);

```

```

int main() {

```

```

printf("\n\n\t\t\t\t\t \033[1;32m=====MIND_INSTALLER_OF_KSS=====\033[0m\n\n");

```

```

    login();

```

```

    struct Expense expenses[100]; // store expenses

```

```

    int expenseCount = 0;    // Number of records

```

```

    int choice;

```

```

    while (1) {

```

```

        printf("\n\n\n\t\t\t\t\t      PETTY CASH SYSTEM\n");

```

```

        printf("\t\t\t\t\t-----\n");

```

```

        printf("\t\t\t\t\t1. Add Your Expense\n");

```

```

        printf("\t\t\t\t\t2. Display Your Expenses\n");

```

```

        printf("\t\t\t\t\t3. Search Expenses by Date\n");

```

```

        printf("\t\t\t\t\t4. Update Your Expense\n");

```

```

        printf("\t\t\t\t\t5. Delete Your Expense\n");

```

```

        printf("\t\t\t\t\t6. Team Profile\n");

```

```

        printf("\t\t\t\t\t7. Exit program\n");

```

```

        printf("\033[1;32m\t\t\t\t\tEnter your Choice which you want to choose: \033[0m");

```

```

        scanf("%d", &choice);

```

```

        system("cls");

```

```
switch (choice) {  
  
    case 1:  
        printf("\n\n\t\t\t\t\t  
\033[1;32m=====MIND_INSTALLER_OF_KSS=====\033[0m\n\n");  
        printf("\n\n\n\t\t\t\t\t Enter A Record:\n\n\n");  
        addExpense(expenses, &expenseCount);  
        break;  
  
    case 2:  
        printf("\n\n\t\t\t\t\t\t\t \033[1;32m=====MIND_INSTALLER_OF_KSS=====\033[0m\n\n");  
        printf("\n\n\n\n\t\t\t\t\t Display Expenses :\n\n\n");  
        displayExpenses(expenses, expenseCount);  
        break;  
  
    case 3:  
        printf("\n\n\t\t\t\t\t\t\t\t \033[1;32m=====MIND_INSTALLER_OF_KSS=====\033[0m\n\n");  
  
        {  
  
            char searchDate[20];  
            printf("\n\n\n\t\t\t\t\t\t\t\t\t\t  
\033[1;32m=====MIND_INSTALLER_OF_KSS=====\033[0m\n\n");  
            printf("\t\t\t\t\t\t\tEnter date for Search (e.g., DD/MM/YYYY): ");  
            scanf("%s", searchDate);  
            searchExpensesByDate(expenses, expenseCount, searchDate);  
            break;  
        }  
  
    case 4:  
        printf("\n\n\n\t\t\t\t\t\t\t\t\t \033[1;32m=====MIND_INSTALLER_OF_KSS=====\033[0m\n\n");  
        updateExpense(expenses, expenseCount);  
        break;  
  
    case 5: {
```



```

void login()
{
    char ename[20], epass[20];

    int n, x;

    printf("\t\t\t\t\tEnter your user name:");

    gets(ename);

    printf("\n\t\t\t\t\tEnter your password:");

    n=strlen(upass);

    for(x=0;x<n;x++)

    {

        epass[x]=getch();

        printf("*");

    }

    epass[x]='\0';

    if(strcmp(uname,ename)==0 && strcmp(upass,epass)==0)

        printf("\n\n\t\t\t\t\t\033[1;32m-----Welcome to my software-----\033[0m");

    else

        printf("\n\n\t\t\t\t\t\t\033[1;31m ----Invalid userid and password---\033[0m");

}

```

### **Add an Extention:-**

```

void addExpense(struct Expense expenses[], int *expenseCount) {

    if (*expenseCount >= 100) {

        printf("\t\t\t\t\tExpense limit reached. Cannot add more expenses.\n");

        return;

    }

    struct Expense newExpense;

    newExpense.id = *expenseCount + 1;

    printf("\t\t\t\t\tEnter date (DD/MM/YYYY): ");

    scanf("%s", newExpense.date);

    printf("\t\t\t\t\tEnter description: ");

```

```

scanf("%[^\\n]", newExpense.description);

printf("\\t\\t\\t\\t\\tEnter amount: ");

scanf("%f", &newExpense.amount);

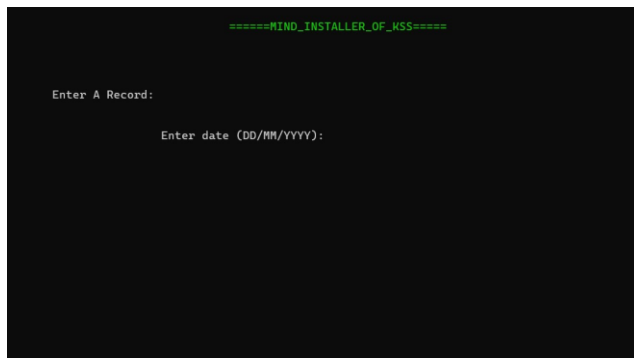
Your_Account_Balance -= newExpense.amount;

expenses[*expenseCount] = newExpense;
(*expenseCount)++;

printf("\\t\\t\\t\\t\\t \\033[1;32m Expense added successfully.\\033[0m\\n");
}

```

### **Output:-**



### **Display expenses:-**

```

void displayExpenses(struct Expense expenses[], int expenseCount) {
    if (expenseCount == 0) {
        printf("\\t\\t\\t\\t\\t \\033[1;31m No expenses recorded.\\033[0m\\n");
        return;
    }

    printf("\\t\\t\\t\\t\\tExpense ID |   Date       | Description           | Amount\\n");

    int i;

    printf("\\t\\t\\t\\t\\t-----\\n");

    for ( i = 0; i < expenseCount; i++) {
        printf("\\t\\t\\t\\t\\t%-10d | %-10s | %20s | %.2f\\n", expenses[i].id,
expenses[i].date, expenses[i].description, expenses[i].amount);
    }
}

```

```

}

printf("\t\t\t\t\t-----\n");

printf("\t\t\t\t\tPetty Cash Balance: %.2f\n", Your_Account_Balance);

}

```

### Output:-

```

====MIND_INSTALLER_OF_KSS====

Enter A Record:

Enter date (DD/MM/YYYY): 12-09-2023
Enter description: product
Enter amount: 3000
Expense added successfully.

PETTY CASH SYSTEM
-----
1. Add Your Expense
2. Display Your Expenses
3. Search Expenses by Date
4. Update Your Expense
5. Delete Your Expense
6. Team Profile
7. Exit program
Enter your Choice which you want to choose:

```

### Search expenses by date:-

```

void searchExpensesByDate(struct Expense expenses[], int expenseCount, char searchDate[20]) {
    if (expenseCount == 0) {
        printf("\t\t\t\t\tNo expenses recorded.\n");
        return;
    }

    float totalAmount = 0.0;

    int found = 0;

    printf("\t\t\t\t\tExpense ID | Date      | Description      | Amount\n");
    printf("\t\t\t\t\t-----\n");

    int i;

    for (i = 0; i < expenseCount; i++) {
        if (strcmp(expenses[i].date, searchDate) == 0) {
            printf("\t\t\t\t\t\t%10d | %10s | %20s | %.2f\n", expenses[i].id,
                expenses[i].date, expenses[i].description, expenses[i].amount);

            totalAmount += expenses[i].amount;
        }
    }
}

```

```

        found = 1;
    }
}

printf("\t\t\t\t\t-----\n");

if (found) {
    printf("\t\t\t\t\tTotal amount for %s: %.2f\n", searchDate, totalAmount);
} else {
    printf("\t\t\t\t\tNo records found for %s.\n", searchDate);
}
}

```

### Output:-

```

=====MIND_INSTALLER_OF_MSS=====

=====MIND_INSTALLER_OF_MSS=====
Enter date for Search (e.g., DD/MM/YYYY): 18-09-2023
Expense ID | Date | Description | Amount
-----
No records found for 18-09-2023.

PETTY CASH SYSTEM
-----
1. Add Your Expense
2. Display Your Expenses
3. Search Expenses by Date
4. Update Your Expense
5. Delete Your Expense
6. Team Profile
7. Exit program
Enter your Choice which you want to choose:

```

### Update an expense:-

```

void updateExpense(struct Expense expenses[], int expenseCount) {
    int idToUpdate;

    printf("\t\t\t\t\tEnter the ID of the expense to update: ");

    scanf("%d", &idToUpdate);

    if (idToUpdate <= 0 || idToUpdate > expenseCount) {
        printf("\t\t\t\t\t\033[1;31mInvalid expense ID.\033[0m\n");
        return;
    }

    struct Expense *expenseToUpdate = &expenses[idToUpdate - 1];

```



```

printf("\t\t\t\t\tEnter new date (DD/MM/YYYY): ");
scanf("%s", expenseToUpdate->date);

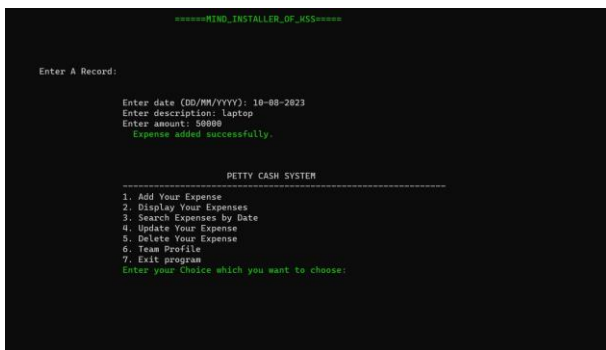
printf("\t\t\t\t\tEnter new description: ");
scanf(" %[^\\n]", expenseToUpdate->description);

printf("\t\t\t\t\tEnter new amount: ");
scanf("%f", &expenseToUpdate->amount);

printf("\t\t\t\t\t \\033[1;32mExpense updated successfully.\\033[0m\\n");
}

```

## Output:-



```

=====HTND_INSTALLER_OF_MSS=====

Enter A Record:

Enter date (DD/MM/YYYY): 10-08-2023
Enter description: Laptop
Enter amount: 50000
Expense added successfully.

PETTY CASH SYSTEM
-----
1. Add Your Expense
2. Display Your Expenses
3. Search Expenses by Date
4. Update Your Expenses
5. Delete Your Expense
6. Team Profile
7. Exit program
Enter your Choice which you want to choose:

```

## Delete an expense:-

```

void deleteExpense(struct Expense expenses[], int *expenseCount, int idToDelete) {
    if (idToDelete <= 0 || idToDelete > *expenseCount) {
        printf("\t\t\t\t\tInvalid expense ID.\\n");
        return;
    }

    int i;

    for ( i = idToDelete - 1; i < *expenseCount - 1; i++) {
        expenses[i] = expenses[i + 1];
    }

    (*expenseCount)--;
}

```

}

**Output:-**

```

=====MIND_INSTALLER_OF_XSS=====

Enter the ID of the expense to delete: 1
Expense deleted successfully.

-----
                PETTY CASH SYSTEM
-----
1. Add Your Expense
2. Display Your Expenses
3. Search Expenses by Date
4. Update Your Expense
5. Delete Your Expense
6. Team Profile
7. Exit program
Enter your Choice which you want to choose: |

```

### Our Team Profile:-

[illegible]

```
printf("\t\t\t\t\t ID | NAME | Work | Designation \n");
printf("\t\t\t\t\t-----\n");
printf("\t\t\t\t\t 1. Vijay Singh Update Team Leader\n\n");
printf("\t\t\t\t\t 2. Shweta Sharma Display Team Manager\n\n");
printf("\t\t\t\t\t 3. Neha Singh Search Expenses Team Member\n\n");
printf("\t\t\t\t\t 4. Ujala Kumari Login&ID Team Member\n\n");
printf("\t\t\t\t\t 5. Jyoti Delete Team Member\n\n");
printf("\t\t\t\t\t 6. Shivpoojan Prajapati Function Manage Team Member\n\n");
printf("\t\t\t\t\t 7. Mukesh Maurya Add Expense Team Member\n\n");
printf("\t\t\t\t\t 8. Ankita Shivharey Show Menu Team Member\n\n");
printf("\t\t\t\t\t 9. Rajkumar Yadav Profile Team Member\n\n");
printf("\t\t\t\t\t 10. Mahima Sahu Login&id Team Member
```

}

## Output:-

```
=====MIND_INSTALLER_OF_KSS=====
=====Our Team=====
ID | NAME | Work | Designation
-----
1. Vijay Singh | Update | Team Leader
2. Shweta Sharma | Display | Team Manager
3. Neha Singh | Search Expenses | Team Member
4. Ujala Kumari | LoginID | Team Member
5. Jyoti | Delete | Team Member
6. Shivpoojan Prajapati | Function Manage | Team Member
7. Mukesh Maurya | Add Expense | Team Member
8. Ankita Shivharey | Show Menu | Team Member
9. Rajkumar Yadav | Profile | Team Member
10. Mahima Sahu | LoginId | Team Member

=====
PETTY CASH SYSTEM
=====
1. Add Your Expense
2. Display Your Expenses
3. Search Expenses by Date
4. Update Your Expense
5. Delete Your Expense
6. Team Profile
7. Exit program
Enter your Choice which you want to choose:
```