



main.c

Output



```
Enter your monthly salary: 35000
Enter your credit score (0-850): 780
Select loan type:
1. Home Loan
2. Personal Loan
3. Car Loan
Enter your choice (1-3): 1
You are eligible for a home loan up to:
    $1050000.00
You qualify for a low interest rate.
```

=== Code Execution Successful ===



main.c

Output



```
1
2
3  #include <stdio.h>
4
5  int main() {
6      float salary, maxLoanAmount;
7      int creditScore, loanType;
8
9      // Step 1: Input applicant's salary
10     printf("Enter your monthly salary: ");
11     scanf("%f", &salary);
12
13     // Step 2: Input applicant's credit
        score
14     printf("Enter your credit score (0-850
        ): ");
15     scanf("%d", &creditScore);
16
17     // Step 3: Input type of loan
18     printf("Select loan type:\n");
19     printf("1. Home Loan\n");
20     printf("2. Personal Loan\n");
21     printf("3. Car Loan\n");
22     printf("Enter your choice (1-3): ");
23     scanf("%d", &loanType);
```

Run



```
24
25     // Step 4: Evaluate loan eligibility
        using control structures
26     if (creditScore < 600) {
27         printf("Sorry, your credit score
                is too low to sanction a loan
                .\n");
28     } else {
29         // Using switch statement for
                different loan types
30         switch (loanType) {
31             case 1: // Home Loan
32                 if (salary >= 30000) {
33                     maxLoanAmount = 30 *
                            salary;
34                 } else {
35                     maxLoanAmount = 20 *
                            salary;
36                 }
37                 printf("You are eligible
                        for a home loan up to:
                        $%.2f\n",
                        maxLoanAmount);
38                 break;
```

Run



```
39
40     case 2: // Personal Loan
41         if (salary >= 20000) {
42             maxLoanAmount = 10 *
43                 salary;
44         } else {
45             maxLoanAmount = 5 *
46                 salary;
47         }
48         printf("You are eligible
49             for a personal loan up
50             to: $%.2f\n",
51                 maxLoanAmount);
52         break;
53
54     case 3: // Car Loan
55         if (salary >= 15000) {
56             maxLoanAmount = 8 *
57                 salary;
58         } else {
59             maxLoanAmount = 4 *
60                 salary;
61         }
62         printf("You are eligible
63             for a car loan up to:
64             $%.2f\n",
65                 maxLoanAmount);
66         break;
67     }
```

Run



```
56         break;
57
58     default:
59         printf("Invalid loan type
60                selected.\n");
61         break;
62     }
63
64     // Step 5: Additional check based
65     // on credit score for interest
66     // rates
67     if (creditScore > 750) {
68         printf("You qualify for a low
69                interest rate.\n");
70     } else {
71         printf("You qualify for a
72                standard interest rate.\n"
73                );
74     }
75 }
```

Run



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Enter your choice (1-3): 1
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