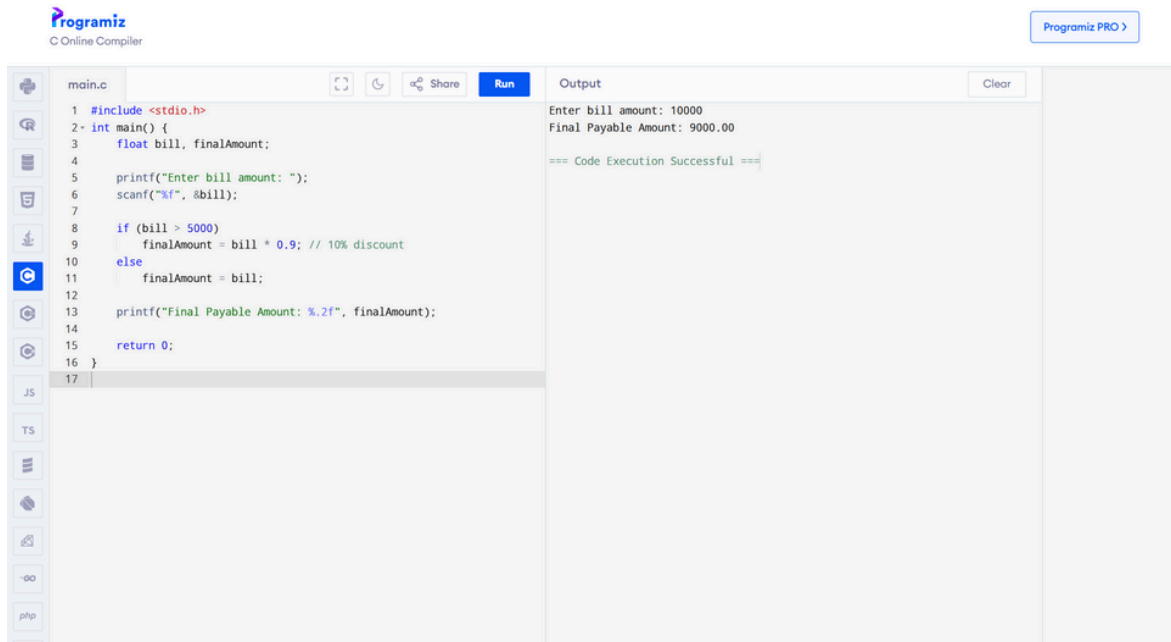


Task 1 – Discount Calculator



The screenshot displays the Programiz C Online Compiler interface. On the left, a sidebar contains icons for various programming languages (C, JS, TS, etc.). The main editor shows a C program named 'main.c' with the following code:

```
1 #include <stdio.h>
2 int main() {
3     float bill, finalAmount;
4
5     printf("Enter bill amount: ");
6     scanf("%f", &bill);
7
8     if (bill > 5000)
9         finalAmount = bill * 0.9; // 10% discount
10    else
11        finalAmount = bill;
12
13    printf("Final Payable Amount: %.2f", finalAmount);
14
15    return 0;
16 }
17
```

On the right, the 'Output' panel shows the execution results:

```
Enter bill amount: 10000
Final Payable Amount: 9000.00
=== Code Execution Successful ===
```

```
#include <stdio.h>
int main() {
    float bill, finalAmount;

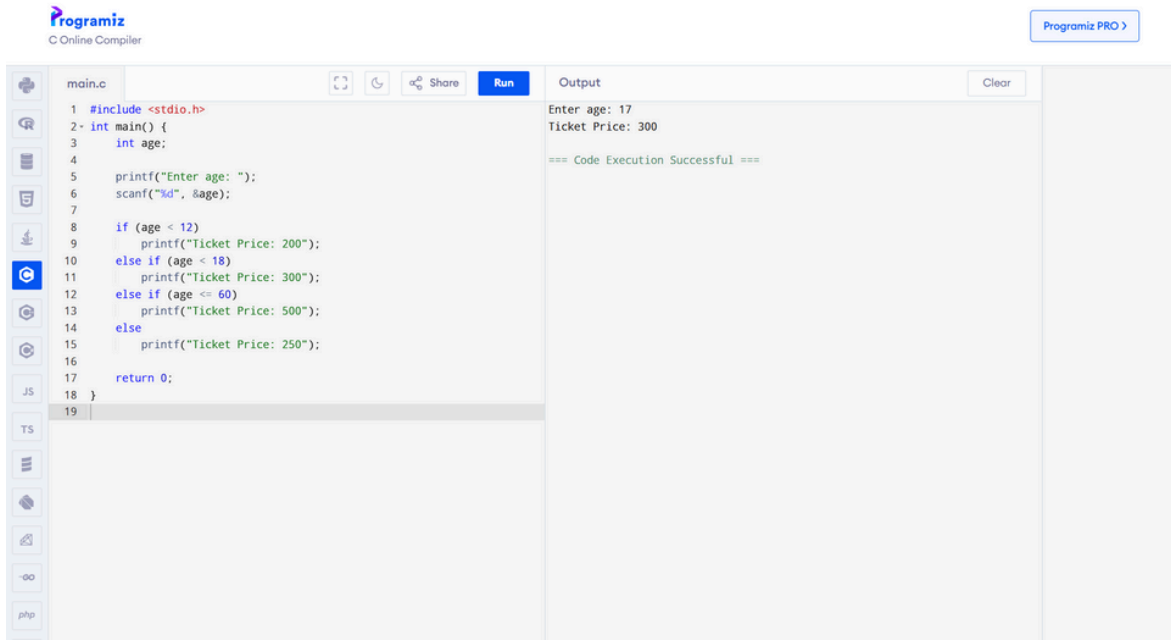
    printf("Enter bill amount: ");
    scanf("%f", &bill);

    if (bill > 5000)
        finalAmount = bill * 0.9; // 10% discount
    else
        finalAmount = bill;

    printf("Final Payable Amount: %.2f", finalAmount);

    return 0;
}
```

Task 2 – Cinema Ticket Price



The screenshot shows the Programiz C Online Compiler interface. The code editor on the left contains a C program for calculating cinema ticket prices based on age. The output window on the right shows the program's execution results.

```
1 #include <stdio.h>
2 int main() {
3     int age;
4
5     printf("Enter age: ");
6     scanf("%d", &age);
7
8     if (age < 12)
9         printf("Ticket Price: 200");
10    else if (age < 18)
11        printf("Ticket Price: 300");
12    else if (age <= 60)
13        printf("Ticket Price: 500");
14    else
15        printf("Ticket Price: 250");
16
17    return 0;
18 }
```

Output:

```
Enter age: 17
Ticket Price: 300

=== Code Execution Successful ===
```

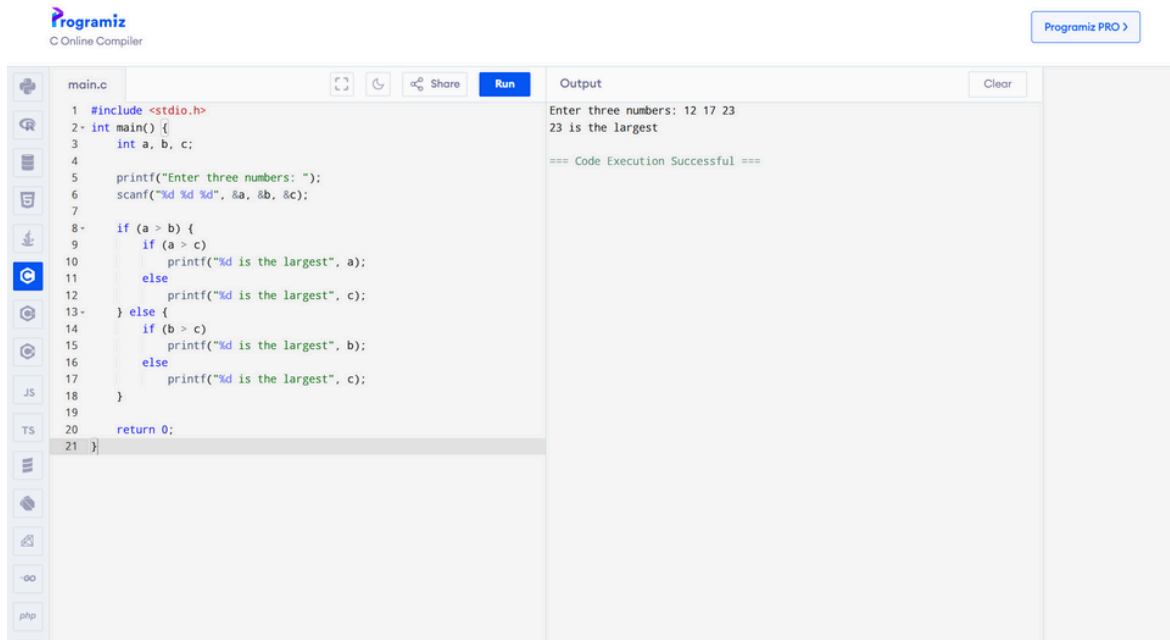
```
#include <stdio.h>
int main() {
    int age;

    printf("Enter age: ");
    scanf("%d", &age);

    if (age < 12)
        printf("Ticket Price: 200");
    else if (age < 18)
        printf("Ticket Price: 300");
    else if (age <= 60)
        printf("Ticket Price: 500");
    else
        printf("Ticket Price: 250");

    return 0;
}
```

Task 3 – Largest of 3 Numbers



The screenshot shows the Programiz C Online Compiler interface. The code editor contains the following C program:

```
1 #include <stdio.h>
2 int main() {
3     int a, b, c;
4
5     printf("Enter three numbers: ");
6     scanf("%d %d %d", &a, &b, &c);
7
8     if (a > b) {
9         if (a > c)
10            printf("%d is the largest", a);
11        else
12            printf("%d is the largest", c);
13    } else {
14        if (b > c)
15            printf("%d is the largest", b);
16        else
17            printf("%d is the largest", c);
18    }
19
20    return 0;
21 }
```

The output window shows the execution results:

```
Enter three numbers: 12 17 23
23 is the largest
=== Code Execution Successful ===
```

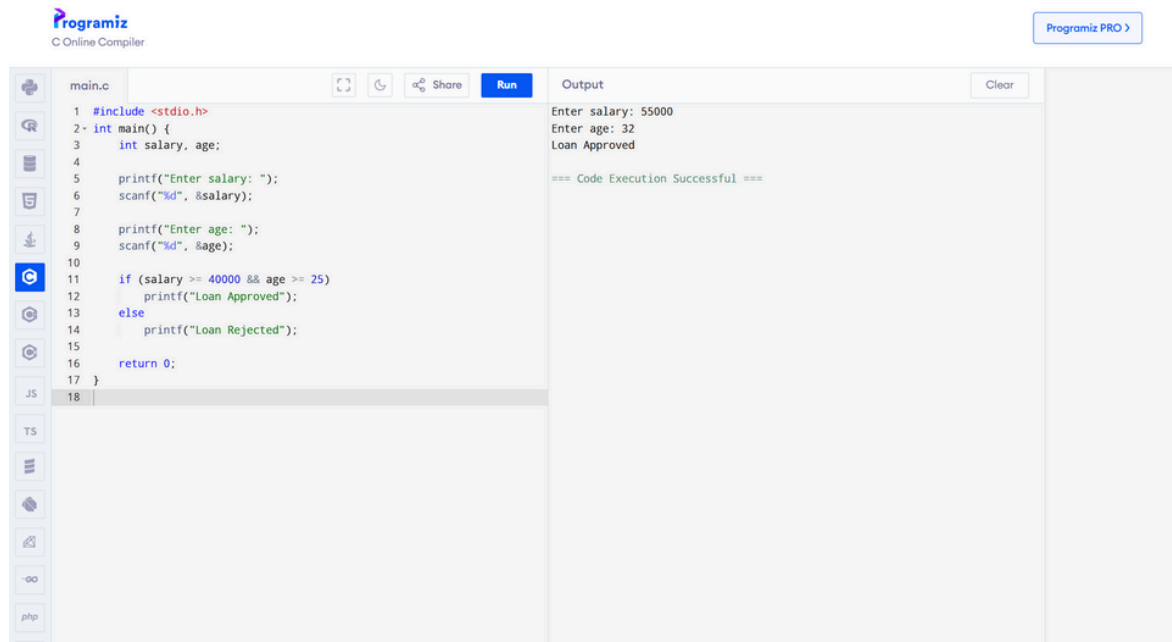
```
#include <stdio.h>
int main() {
    int a, b, c;

    printf("Enter three numbers: ");
    scanf("%d %d %d", &a, &b, &c);

    if (a > b) {
        if (a > c)
            printf("%d is the largest", a);
        else
            printf("%d is the largest", c);
    } else {
        if (b > c)
            printf("%d is the largest", b);
        else
            printf("%d is the largest", c);
    }

    return 0;
}
```

Task 4 – Loan Approval



Programiz
C Online Compiler

Programiz PRO >

```
main.c
1 #include <stdio.h>
2 int main() {
3     int salary, age;
4
5     printf("Enter salary: ");
6     scanf("%d", &salary);
7
8     printf("Enter age: ");
9     scanf("%d", &age);
10
11     if (salary >= 40000 && age >= 25)
12         printf("Loan Approved");
13     else
14         printf("Loan Rejected");
15
16     return 0;
17 }
18
```

Output

Enter salary: 55000
Enter age: 32
Loan Approved
=== Code Execution Successful ===

```
#include <stdio.h>
int main() {
    int salary, age;

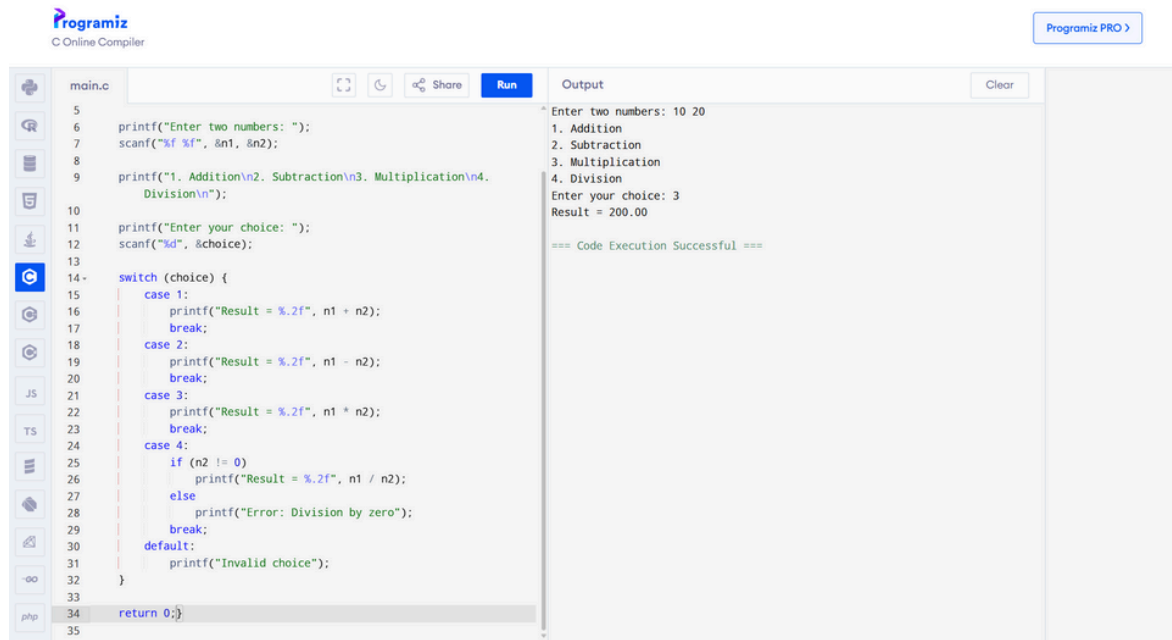
    printf("Enter salary: ");
    scanf("%d", &salary);

    printf("Enter age: ");
    scanf("%d", &age);

    if (salary >= 40000 && age >= 25)
        printf("Loan Approved");
    else
        printf("Loan Rejected");

    return 0;
}
```

Task 5 – Calculator using switch



The screenshot shows the Programiz C Online Compiler interface. The code in the editor is as follows:

```
5
6 printf("Enter two numbers: ");
7 scanf("%f %f", &n1, &n2);
8
9 printf("1. Addition\n2. Subtraction\n3. Multiplication\n4. Division\n");
10
11 printf("Enter your choice: ");
12 scanf("%d", &choice);
13
14 switch (choice) {
15     case 1:
16         printf("Result = %.2f", n1 + n2);
17         break;
18     case 2:
19         printf("Result = %.2f", n1 - n2);
20         break;
21     case 3:
22         printf("Result = %.2f", n1 * n2);
23         break;
24     case 4:
25         if (n2 != 0)
26             printf("Result = %.2f", n1 / n2);
27         else
28             printf("Error: Division by zero");
29         break;
30     default:
31         printf("Invalid choice");
32 }
33
34 return 0;
35
```

The output window shows the following text:

```
Enter two numbers: 10 20
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice: 3
Result = 200.00

=== Code Execution Successful ===
```

```
#include <stdio.h>
int main() {
    float n1, n2;
    int choice;

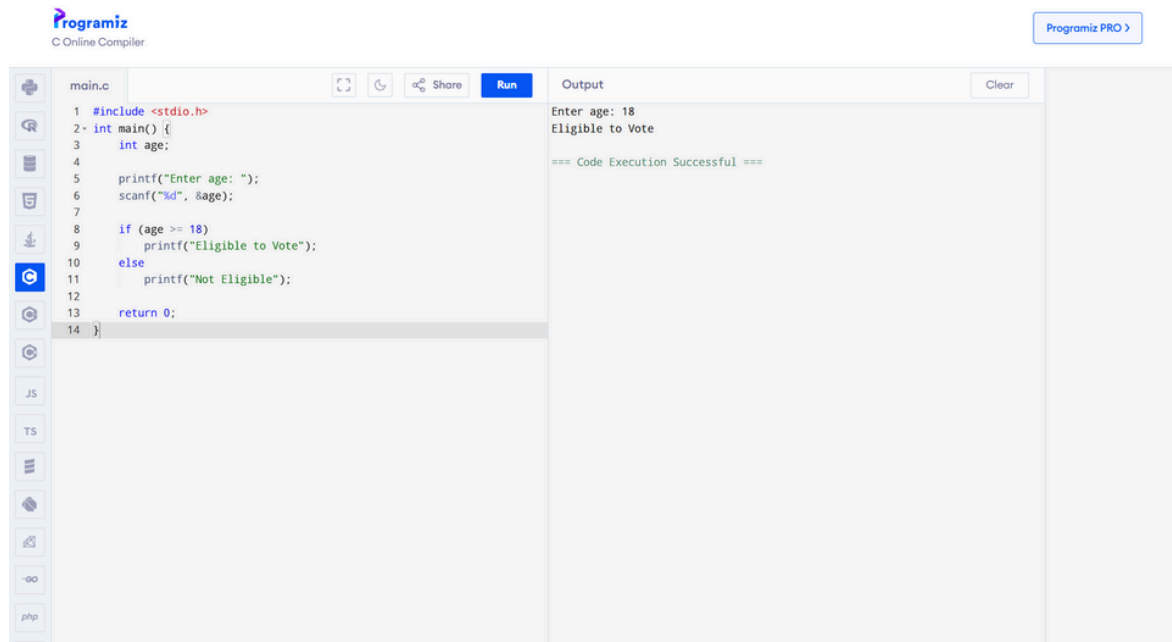
    printf("Enter two numbers: ");
    scanf("%f %f", &n1, &n2);

    printf("1. Addition\n2. Subtraction\n3. Multiplication\n4. Division\n");
    printf("Enter your choice: ");
    scanf("%d", &choice);

    switch (choice) {
        case 1:
            printf("Result = %.2f", n1 + n2);
            break;
        case 2:
            printf("Result = %.2f", n1 - n2);
            break;
        case 3:
            printf("Result = %.2f", n1 * n2);
            break;
        case 4:
            if (n2 != 0)
                printf("Result = %.2f", n1 / n2);
            else
                printf("Error: Division by zero");
            break;
        default:
            printf("Invalid choice");
    }

    return 0;
}
```

Task 6 – Voting Eligibility



The screenshot shows the Programiz Online Compiler interface. On the left, there's a sidebar with icons for file management and a list of languages (JS, TS, C, C++, Java, Python, PHP, etc.). The main editor displays a C program named 'main.c'. The code is as follows:

```
1 #include <stdio.h>
2 int main() {
3     int age;
4
5     printf("Enter age: ");
6     scanf("%d", &age);
7
8     if (age >= 18)
9         printf("Eligible to Vote");
10    else
11        printf("Not Eligible");
12
13    return 0;
14 }
```

On the right, the 'Output' panel shows the execution results:

```
Enter age: 18
Eligible to Vote
=== Code Execution Successful ===
```

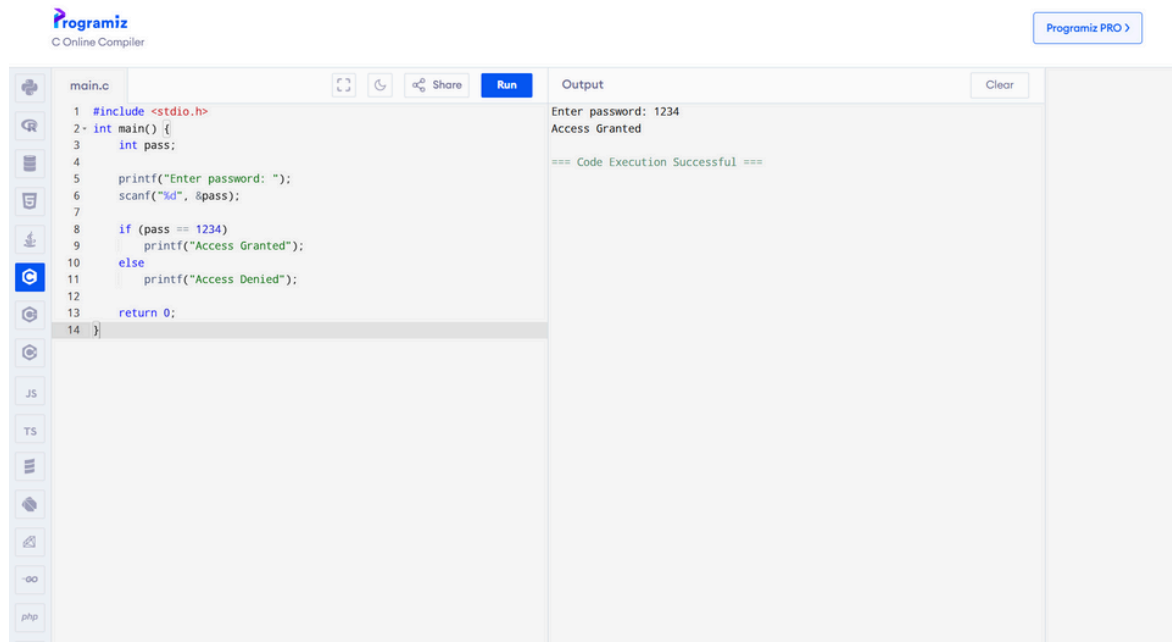
```
#include <stdio.h>
int main() {
    int age;

    printf("Enter age: ");
    scanf("%d", &age);

    if (age >= 18)
        printf("Eligible to Vote");
    else
        printf("Not Eligible");

    return 0;
}
```

Task 7 – Password Check



The screenshot shows the Programiz Online Compiler interface. The code editor on the left contains the following C code:

```
1 #include <stdio.h>
2 int main() {
3     int pass;
4
5     printf("Enter password: ");
6     scanf("%d", &pass);
7
8     if (pass == 1234)
9         printf("Access Granted");
10    else
11        printf("Access Denied");
12
13    return 0;
14 }
```

The output window on the right shows the execution results:

```
Enter password: 1234
Access Granted
=== Code Execution Successful ===
```

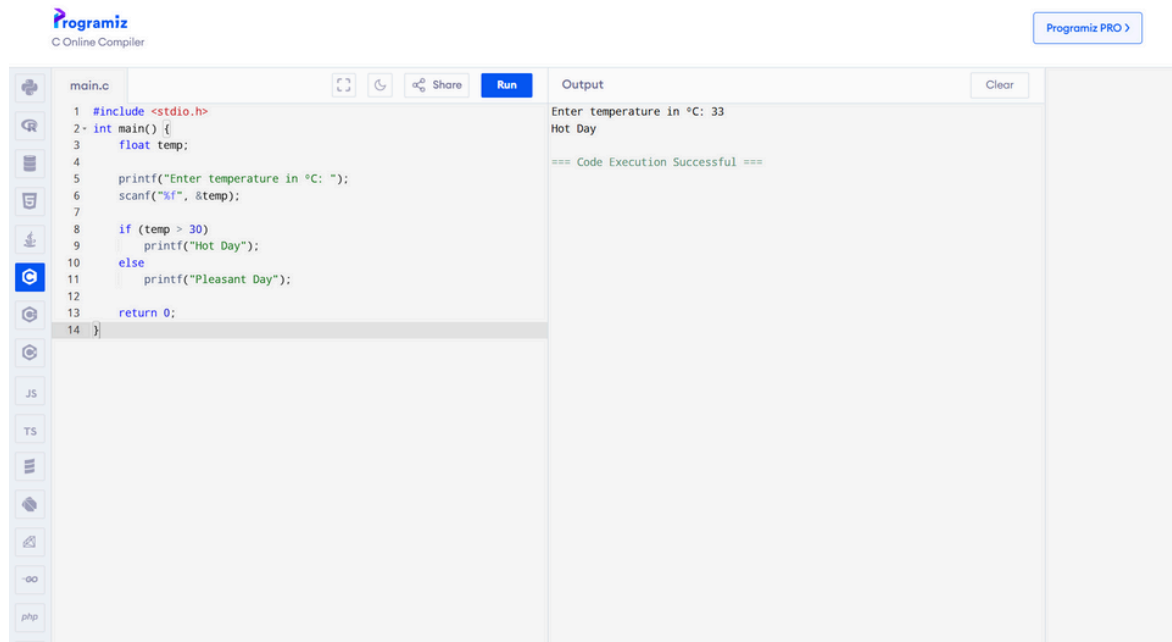
```
#include <stdio.h>
int main() {
    int pass;

    printf("Enter password: ");
    scanf("%d", &pass);

    if (pass == 1234)
        printf("Access Granted");
    else
        printf("Access Denied");

    return 0;
}
```

Task 8 – Temperature Check



The screenshot shows the Programiz Online Compiler interface. The code editor on the left contains a C program for temperature checking. The output window on the right shows the program's execution results.

```
1 #include <stdio.h>
2 int main() {
3     float temp;
4
5     printf("Enter temperature in °C: ");
6     scanf("%f", &temp);
7
8     if (temp > 30)
9         printf("Hot Day");
10    else
11        printf("Pleasant Day");
12
13    return 0;
14 }
```

Output:

```
Enter temperature in °C: 33
Hot Day
=== Code Execution Successful ===
```

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

```
int main() {
```

```
    float temp;
```

```
    printf("Enter temperature in °C: ");
```

```
    scanf("%f", &temp);
```

```
    if (temp > 30)
```

```
        printf("Hot Day");
```

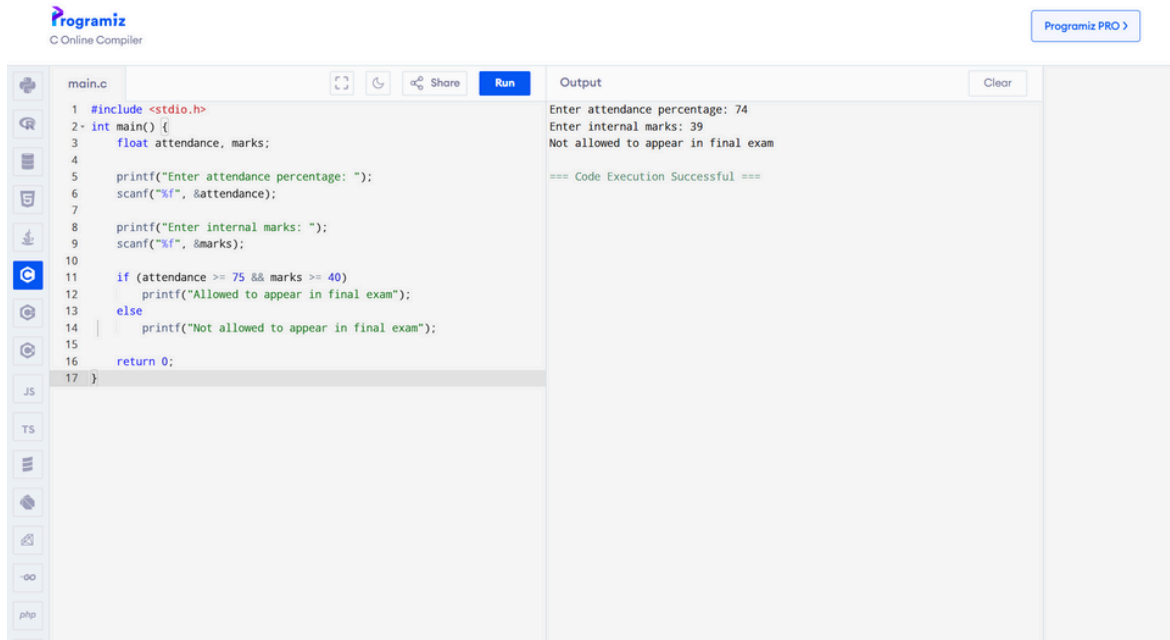
```
    else
```

```
        printf("Pleasant Day");
```

```
    return 0;
```

```
}
```


Task 9 – Exam Eligibility.



The screenshot shows the Programiz C Online Compiler interface. The code editor on the left contains a C program for determining exam eligibility based on attendance and marks. The output window on the right shows the program's execution with sample input values (74% attendance, 39 marks) and the resulting message: "Not allowed to appear in final exam".

```
1 #include <stdio.h>
2 int main() {
3     float attendance, marks;
4
5     printf("Enter attendance percentage: ");
6     scanf("%f", &attendance);
7
8     printf("Enter internal marks: ");
9     scanf("%f", &marks);
10
11     if (attendance >= 75 && marks >= 40)
12         printf("Allowed to appear in final exam");
13     else
14         printf("Not allowed to appear in final exam");
15
16     return 0;
17 }
```

Output:

```
Enter attendance percentage: 74
Enter internal marks: 39
Not allowed to appear in final exam

=== Code Execution Successful ===
```

```
#include <stdio.h>
int main() {
    float attendance, marks;

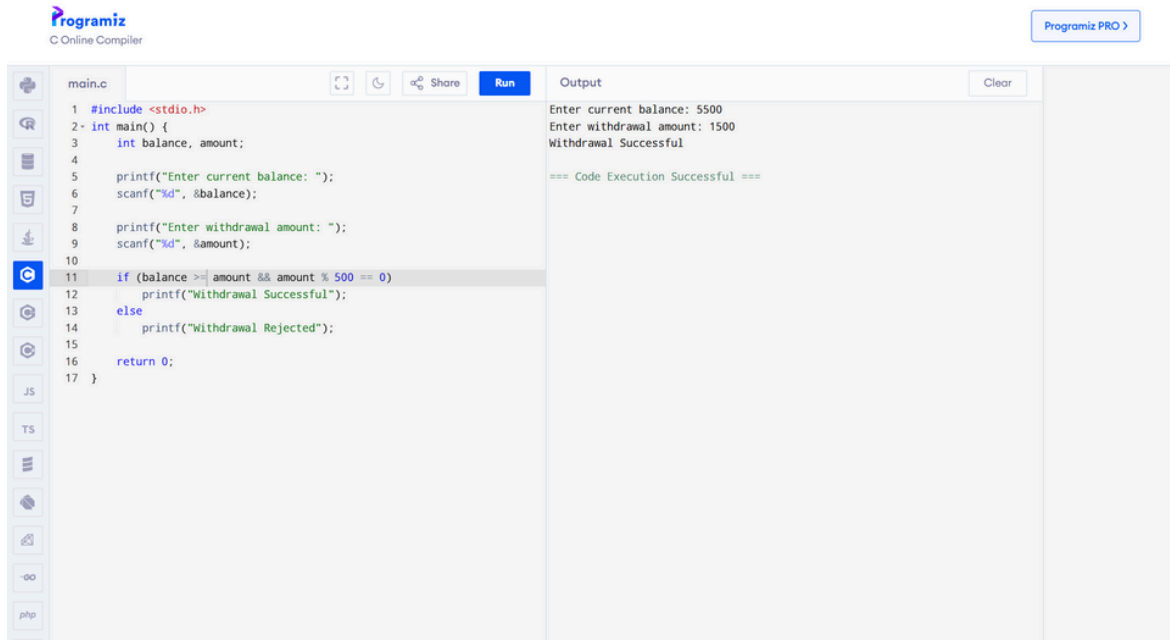
    printf("Enter attendance percentage: ");
    scanf("%f", &attendance);

    printf("Enter internal marks: ");
    scanf("%f", &marks);

    if (attendance >= 75 && marks >= 40)
        printf("Allowed to appear in final exam");
    else
        printf("Not allowed to appear in final exam");

    return 0;
}
```

Task 10 – ATM Withdrawal



```
1 #include <stdio.h>
2 int main() {
3     int balance, amount;
4
5     printf("Enter current balance: ");
6     scanf("%d", &balance);
7
8     printf("Enter withdrawal amount: ");
9     scanf("%d", &amount);
10
11     if (balance >= amount && amount % 500 == 0)
12         printf("Withdrawal Successful");
13     else
14         printf("Withdrawal Rejected");
15
16     return 0;
17 }
```

Output

```
Enter current balance: 5500
Enter withdrawal amount: 1500
Withdrawal Successful

=== Code Execution Successful ===
```

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

```
int main() {
```

```
    int balance, amount;
```

```
    printf("Enter current balance: ");
    scanf("%d", &balance);
```

```
    printf("Enter withdrawal amount: ");
    scanf("%d", &amount);
```

```
    if (balance >= amount && amount % 500 == 0)
        printf("Withdrawal Successful");
```

```
    else
```

```
        printf("Withdrawal Rejected");
```

```
    return 0;
```

```
}
```