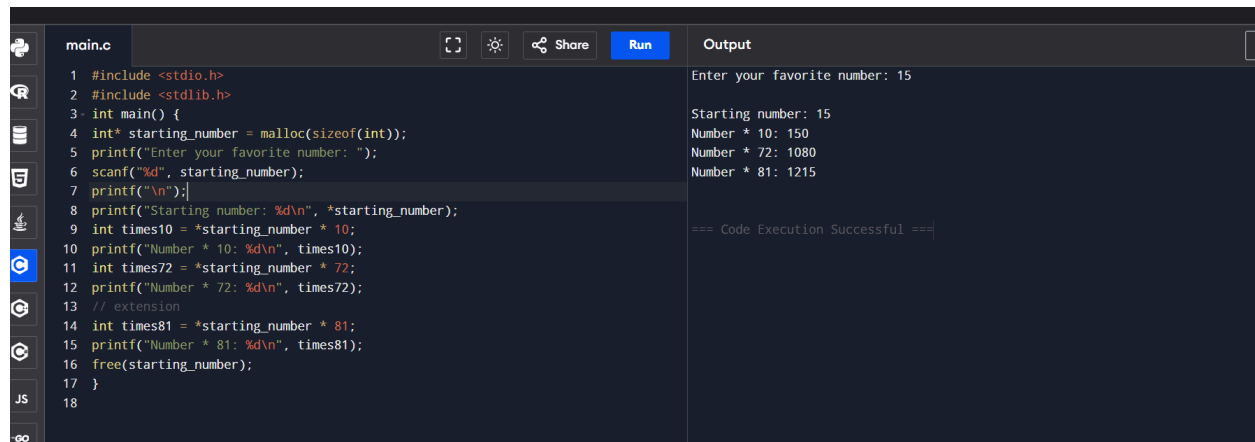


Planning: I run the c code and try to understand what is happening properly.



The screenshot shows a code editor with a dark theme. The left sidebar contains icons for file explorer, search, and other IDE features. The main editor area displays a C program named 'main.c'. The code includes headers for `<stdio.h>` and `<stdlib.h>`, defines a `main` function, allocates memory for a variable `starting_number`, prompts the user for input, and then performs several arithmetic operations (multiplication by 10, 72, and 81) before freeing the memory. The right sidebar shows the 'Output' window, which displays the program's execution results, including the user's input and the calculated values.

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 int main() {
4     int* starting_number = malloc(sizeof(int));
5     printf("Enter your favorite number: ");
6     scanf("%d", starting_number);
7     printf("\n");
8     printf("Starting number: %d\n", *starting_number);
9     int times10 = *starting_number * 10;
10    printf("Number * 10: %d\n", times10);
11    int times72 = *starting_number * 72;
12    printf("Number * 72: %d\n", times72);
13    // extension
14    int times81 = *starting_number * 81;
15    printf("Number * 81: %d\n", times81);
16    free(starting_number);
17 }
18
```

Output:

```
Enter your favorite number: 15
Starting number: 15
Number * 10: 150
Number * 72: 1080
Number * 81: 1215
=== Code Execution Successful ===
```

Question:

1. No Partner.
2. Total 5 hours. 1st around 3 hour , 2nd around 2 hour
3. Using mov function.
4. includes handling user input, performing arithmetic operations, and managing output using system calls
5. Yes. Assembly syntax is new to me. When I write code I has some mistakes. I used GPT to remove the error.