



main.c

Output



```
1  #include <stdio.h>
2  void swap(int *a, int *b) {
3      int temp;
4      temp = *a;
5      *a = *b;
6      *b = temp;
7  }
8
9  int main() {
10     int num1, num2;
11     printf("Enter two numbers: ");
12     scanf("%d %d", &num1, &num2);
13
14     printf("Before swapping: num1 = %d,
15           num2 = %d\n", num1, num2);
16     swap(&num1, &num2);
17     printf("After swapping: num1 = %d, num2 =
18           %d\n", num1, num2);
19     return 0;
20 }
```

Run



main.c

Output



Enter two numbers: 5 6

Before swapping: num1 = 5, num2 = 6

After swapping: num1 = 6, num2 = 5

=== Code Execution Successful ===

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main.c

Output



```
1  #include <stdio.h>
2  int main() {
3      int arr[5], i;
4      int *ptr;
5      printf("Enter 5 elements:\n");
6      for(i = 0; i < 5; i++) {
7          scanf("%d", &arr[i]);
8      }
9      ptr = arr;
10     printf("Array elements are:\n");
11     for(i = 0; i < 5; i++) {
12         printf("%d ", *(ptr + i));
13     }
14
15     return 0;
16 }
```

Run

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main.c

Output



Enter 5 elements:

1

2

3

4

5

Array elements are:

1 2 3 4 5

=== Code Execution Successful ===

**Programiz**

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main.c

Output



```
1  #include <stdio.h>
2  #include <string.h>
3  int main() {
4      char str[100];
5      printf("Enter a string: ");
6      fgets(str, sizeof(str), stdin);
7      str[strcspn(str, "\n")] = '\0';
8      printf("Length of the string: %lu\n",
9             strlen(str));
10
11     return 0;
12 }
```

Run



main.c

Output



Enter a string: deepthi
Length of the string: 6

=== Code Execution Successful ===



main.c

Output



```
1  #include <stdio.h>
2  #include <string.h>
3  int main() {
4      char str1[100], str2[100];
5      printf("Enter a string: ");
6      fgets(str1, sizeof(str1), stdin);
7      str1[strcspn(str1, "\n")] = '\0';
8      strcpy(str2, str1);
9      printf("Copied string: %s\n", str2);
10
11     return 0;
12 }
```

Run



main.c

Output



Enter a string: deep ti dodamani

Copied string: deep ti dodamani

=== Code Execution Successful ===