**C program using a while loop to print the multiplication table:**

#include <stdio.h>

int main() {

int number, i = 1;

printf("Enter a number to print its multiplication table: ");

scanf("%d", &number);

printf("Multiplication Table of %d:\n", number);

do {

printf("%d × %d = %d\n", number, i, number \* i);

i++;

} while (i <= 10);

return 0;

}

**Out put:**

Enter a number to print its multiplication table: 17

Multiplication Table of 17:

17 x 1 = 17

17 x 2 = 34

17 x 3 = 51

17 x 4 = 68

17 x 5 = 85

17 x 6 = 102

17 x 7 = 119

17 x 8 = 136

17 x 9 = 153

17 x 10 = 170

=== Code Execution Successful ===