

Lab 6

Evelyn Luo

Code

 C Online Compiler

main.c



 Share

Run

```
1 // created by Evelyn Luo
2 // Lab 6
3 // october 18th, 20204
4
5 #include <stdio.h>
6 #include <stdlib.h>
7
8
9 int main()
10 {
11
12     int x, y;
13     int multiTable[13][13];
14     int found = 0;
15     int value = 0;
16     int userInput;
17     char retry;
18
19     do
20     {
21         printf("\n\nThis program will determine whether the number is prime or
                not. Please enter a number between 1 to 144: ");
22         scanf(" %d", &userInput);
23
24
25         for (x = 0; x <= 12; x++)
```

main.c



Share

Run

```
25     for (x = 0; x <= 12; x++)
26     {
27         for (y = 0; y <= 12; y++)
28         {
29             multiTable[x][y] = x * y;
30             if (multiTable[x][y] == userInput)
31             {
32                 if (userInput != 2)
33                 {
34                     if (userInput % 2 == 0)
35                     {
36                         if (x != 1 && y != 1)
37                         {
38
39                             printf("\n\nYour number is not a prime number"
40                                     );
41                             printf("\n\nThe multiplication %d * %d = %d", x
42                                     , y, multiTable[x][y]);
43                         }
44                     }
45                 }
46                 else
47                 {
48                     printf("\n\nYour number is a prime number");
49                 }
50             }
51         }
52     }
```

main.c



Share

Run

```

48     }
49
50     if (userInput == 2)
51     {
52         printf("\n\nYour number is a prime number");
53     }
54
55     }
56
57     }
58 }
59
60
61     printf("\n\nWould you like to enter another number? ");
62     scanf(" %c", &retry);
63
64     } while (retry == 'y' || retry == 'Y');
65
66     if (retry == 'n' || retry == 'N')
67     {
68         printf("\n\nThank you for using this program.");
69     }
70
71 }
```

Output

main.c



Run

Output

Clear

```
1 // created by Evelyn Luo
2 // Lab 6
3 // october 18th, 20204
4
5 #include <stdio.h>
6 #include <stdlib.h>
7
8
9 int main()
10 {
11     int x, y;
12     int multiTable[13][13];
13     int found = 0;
14     int value = 0;
15     int userInput;
16     char retry;
17
18     do
19     {
20         printf("\n\nThis program will
21             determine wether the number is
22             prime or not. Please enter a
23             number between 1 to 144: ");
24         scanf(" %d", &userInput);
25
26         for (x = 0; x <= 12; x++)
27         {
28             for (y = 0; y <= 12; y++)
29             {
30                 multiTable[x][y] = x * y;
31                 if (multiTable[x][y] ==
32                     userInput)
33                 {
34                     if (userInput != 2)
35                     {
36                         if (userInput % 2
37                             == 0)
38                         {
39                             if (x != 1 &&
40                                 y != 1)
41                             {
42                                 printf
43                                 ("Your number is
44                                 not a prime number");
45                                 printf
46                                 ("The
47                                 multiplication %d *
48                                 %d = %d", x, y,
49                                 multiTable[x][y]);
50                             }
51                         }
52                     }
53                 }
54             }
55         }
56         else
57         {
58             printf
59             ("Your number is not a prime number");
60             printf
61             ("The multiplication %d * %d = %d", x, y,
62             multiTable[x][y]);
63         }
64     }
65 }
```

/tmp/G3Uy8nwLjQ.o

This program will determine wether the number is prime or not. Please enter a number between 1 to 144: 4

Your number is not a prime number

The multiplication 2 * 2 = 4

Would you like to enter another number? y

This program will determine wether the number is prime or not. Please enter a number between 1 to 144: 2

Your number is a prime number

Your number is a prime number

Would you like to enter another number? n

Thank you for using this program.

=== Code Execution Successful ===