

The image is a screenshot of a web browser displaying the OnlineGDB website. The browser's address bar shows the URL "onlinegdb.com/online_c_compiler". The page has a dark theme. On the left, there is a sidebar with the OnlineGDB logo and navigation links: "code, compile, run, debug, share.", "IDE", "My Projects", "Classroom", "Learn Programming", "Programming Questions", "We are Hiring", "Sign Up", and "Login". Below these are social media icons for Facebook and Twitter, and a button that says "+ 62.3K". The main content area is divided into two panes. The top pane, titled "main.c", contains C code for reversing a number. The code includes headers for `stdio.h` and `stdlib.h`, defines a `main` function, and uses an array to store the digits of the input number. The bottom pane, titled "input", shows the output of the program: "Enter a number : 345", "the digits of the number are : 3,4,5,", "the number of digits are : 3", "the reverse of the number is : 543", and "...Program finished with exit code 0". The browser's taskbar at the bottom shows various application icons, including the Windows Start button, and the system clock indicates the time is 04:13 PM on 09-10-2021.

Online C Compiler

Online C Compiler

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Reading list

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main.c

RunDebugStopShareSaveBeautify

LanguageC

```
8
9 #include <stdio.h>
10 int main()
11 {
12     int num, sum = 0, rem = 0, SecSum=0;
13     printf("Enter a number: \n");
14     scanf("%d", &num);
15     while(num!=0)
16     {
17         rem=num%10;
18         sum = sum+rem;
19         num=num/10;
20     }
21     printf("The sum of digits is %d\n", sum);
22     rem = 0;
23     while( sum!=0)
24     {
25         rem = sum%10;
26         SecSum+=rem;
27         sum=sum/10;
28     }
29     printf("The single digit sum is %d", SecSum);
30     return 0;
31 }
32
```

input

Enter a number:
15678
The sum of digits is 27
The single digit sum is 9
...Program finished with exit code 0
Press ENTER to exit console.

Online C Compiler

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main.c

Run Debug Stop Share Save Beautify

Language C

```
8
9 #include <stdio.h>
10 int main()
11 {
12     int num, sum = 0, rem = 0, SecSum=0;
13     printf("Enter a number: \n");
14     scanf("%d", &num);
15     while(num!=0)
16     {
17         rem=num%10;
18         sum = sum+rem;
19         num=num/10;
20     }
21     printf("The sum of digits is %d\n", sum);
22     rem = 0;
23     while( sum!=0)
24     {
25         rem = sum%10;
26         SecSum+=rem;
27         sum=sum/10;
28     }
29     printf("The single digit sum is %d", SecSum);
30     return 0;
31 }
32
```

input

Enter a number:
75389
The sum of digits is 32
The single digit sum is 5
...Program finished with exit code 0
Press ENTER to exit console.

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Windows Taskbar

04:14 PM 09-10-2021

The screenshot shows the OnlineGDB website interface. On the left is a navigation menu with links like 'IDE', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'We are Hiring', 'Sign Up', and 'Login'. The main area displays a C program in a code editor. The program includes `stdio.h` and `stdlib.h`, and defines a `main` function that calculates the sum of numbers from 1 to 10 using a `while` loop. The output window shows the program's execution: 'Enter a number: 3456', 'The sum is 22', and a message indicating the program finished with exit code 0. The right sidebar contains panels for 'Call Stack', 'Local Variables', 'Registers', 'Display Expressions', and 'Breakpoints and Watchpoints'. The bottom of the page has a footer with links to 'About', 'FAQ', 'Blog', 'Terms of Use', 'Contact Us', 'GDB Tutorial', 'Credits', and 'Privacy', along with the copyright notice '© 2016 - 2021 GDB Online'.

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main.c

Run Debug Stop Share Save Beautify

Language C

```
1- 1- /*
2- 2-
3- 3- Online C Compiler.
4- 4- Code, Compile, Run and Debug C program online.
5- 5- Write your code in this editor and press "Run" button to compile and execute it.
6- 6-
7- 7- *****/
8- 8-
9- 9- #include<stdio.h>
10- 10- #include<stdlib.h>
11- 11- int main()
12- 12- {
13- 13-     int num,sum=0,rem=0;
14- 14-     printf("Enter a number:\n");
15- 15-     scanf("%d",&num);
16- 16-     if(num==0)
17- 17-     {
18- 18-         printf("The sum is 1\n");
19- 19-         exit(0);
20- 20-     }
21- 21-     while(num!=0)
22- 22-     {
23- 23-         rem=num%10;
24- 24-         sum=sum+rem+1;
25- 25-         num=num/10;
26- 26-     }
27- 27-     printf("The sum is %d\n",sum);
28- 28-     return 0;
29- 29- }
30- 30-
```

Input

Enter a number:
0
The sum is 1
...Program finished with exit code 0
Press ENTER to exit console.

Call Stack

Function File Line

Local Variables

Variable Value

Registers

Register Value

Display Expressions

ExpressionValue

Enter expression to watch

Breakpoints and Watchpoints

Description

Windows Taskbar

05:06 PM 09-10-2021

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main.c

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

```
1 //*****
2
3 |           |           |           |           |           |           |           |           |           |
4 |           |           |           |           |           |           |           |           |           |
5 |           |           |           |           |           |           |           |           |           |
6 |           |           |           |           |           |           |           |           |           |
7 |           |           |           |           |           |           |           |           |           |
8
9 #include<stdio.h>
10 #include<stdlib.h>
11 int main()
12 {
13     int num,sum=0,rem=0;
14     printf("Enter a number:\n");
15     scanf("%d",&num);
16     if(num==0)
17     {
18         printf("The sum is 1\n");
19         exit(0);
20     }
21     while(num!=0)
22     {
23         rem=num%10;
24         sum=sum+rem+1;
25         num=num/10;
26     }
27     printf("The sum is %d\n",sum);
28     return 0;
29 }
30
```

Run Debug Stop Share Save Beautify

Language C

Call Stack
Function File Line
Local Variables
Variable Value
Registers
Register Value
Display Expressions
ExpressionValue
Enter expression to watch
Breakpoints and Watchpoints
Description

Input

Enter a number:
111
The sum is 6
...Program finished with exit code 0
Press ENTER to exit console.

Windows Taskbar

05:06 PM 09-10-2021

Online C Compiler interface showing a C program to remove zeros from a number.

```
1: //***** Online C Compiler *****  
2: Code, Compile, Run and Debug C program online.  
3: Write your code in this editor and press "Run" button to compile and execute it.  
4: *****  
5: #include<stdio.h>  
6: #include<math.h>  
7: int remove_zeros(int n)  
8: {  
9:     int r, num = 0;  
10:    // removing zeros from n and storing the number in num  
11:    while(n > 0)  
12:    {  
13:        r = n % 10;  
14:        n = n / 10;  
15:        if(r != 0)  
16:        {  
17:            num = num * 10 + r;  
18:        }  
19:    }  
20:    n = num;  
21:    num = 0;  
22:    while(n > 0)  
23:    {  
24:        r = n % 10;  
25:        n = n / 10;  
26:        num = num * 10 + r;  
27:    }  
28:    return num;  
29: }  
30: int main()  
31: {  
32:     int n;  
33:     printf("Enter a Number: ");  
34:     scanf("%d", &n);  
35:     printf("Number after removing zeros = %d", remove_zeros(n));  
36: }  
37: 
```

Input: 8245
Output: Number after removing zeros = 8245
...Program finished with exit code 0
Press ENTER to exit console.

Right sidebar panels:

- Call Stack: #, Function, File Line
- Local Variables: Variable, Value
- Registers: Register, Value
- Display Expressions: Expression, Value
- Breakpoints and Watchpoints: #, Description

Windows taskbar at the bottom shows the time 04:24 PM on 09-10-2021.

Online C Compiler interface showing a C program to remove zeros from a number.

Code:

```
1: // Online C Compiler.
2: // Code, Compile, Run and Debug C program online.
3: // Write your code in this editor and press "Run" button to compile and execute it.
4:
5:
6:
7:
8:
9: #include<stdio.h>
10: #include<math.h>
11: int remove_zeros(int n)
12: {
13:     int r, num = 0;
14:     // removing zeros from n and storing the number in num
15:     while(n > 0)
16:     {
17:         r = n % 10;
18:         n = n / 10;
19:         if(r != 0)
20:         {
21:             num = num * 10 + r;
22:         }
23:     }
24:     n = num;
25:     num = 0;
26:     while(n > 0)
27:     {
28:         r = n % 10;
29:         n = n / 10;
30:         num = num * 10 + r;
31:     }
32:     return num;
33: }
34:
35: int main()
36: {
37:     int n;
38:     printf("Enter a Number: ");
39:     scanf("%d", &n);
40:     printf("Number after removing zeros = %d", remove_zeros(n));
41: }
```

Output:

```
Enter a Number: 2036
Number after removing zeros = 236
...Program finished with exit code 0
Press ENTER to exit console.
```

Right Panel:

- Call Stack
- Local Variables
- Registers
- Display Expressions
- Breakpoints and Watchpoints

Taskbar: Windows 10 taskbar with various application icons and system clock showing 04:24 PM 09-10-2021.

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main.c

```
9 #include<stdio.h>
10 #include<math.h>
11 int remove_zeros(int n)
12 {
13
14     int r, num = 0;
15     // removing zeros from n and storing the number in num
16     while(n > 0)
17     {
18         r = n % 10;
19         n = n / 10;
20         if(r!=0)
21         {
22             num = num*10 + r;
23         }
24     }
25
26     n = num;
27     num = 0;
28     while(n>0)
29     {
30         r = n % 10;
31         n = n / 10;
32         num = num*10 + r;
33     }
34
35     return num;
36 }
37
38 int main()
39 {
40     int n;
41     printf("Enter a Number: ");
42     scanf("%d", &n);
43     printf("Number after removing zeros = %d", remove_zeros(n));
44 }
```

Language: C

Call Stack

#	Function	File	Line
---	----------	------	------

Local Variables

Variable	Value
----------	-------

Registers

Register	Value
----------	-------

Display Expressions

Expression	Value
------------	-------

Breakpoints and Watchpoints

#	Description
---	-------------

input

Enter a Number: 1000
Number after removing zeros = 1
...Program finished with exit code 0
Press ENTER to exit console.

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main.c

```
1: /*===== Online C Compiler =====  
2: Code, Compile, Run and Debug C program online.  
3: Write your code in this editor and press "Run" button to compile and execute it.  
4: =====*/  
5:  
6:  
7:  
8:  
9:  
10: #include<stdio.h>  
11: int main()  
12: {  
13:     int num,rem,rev=0;  
14:     printf("Enter a number:\n");  
15:     scanf("%d",&num);  
16:     printf("Digits extracted:\n");  
17:     while(num!=0)  
18:     {  
19:         rem=num%10;  
20:         rev=rev*10+rem;  
21:         num=num/10;  
22:     }  
23:     num=rev;  
24:     rem=0;  
25:     while(num!=0)  
26:     {  
27:         rem=num%10;  
28:         num=num/10;  
29:         printf("%d",rem);  
30:     }  
31:     return 0;  
32: }  
33:  
34:  
35:
```

Input

Enter a number:
2345
Digits extracted:
5342
...Program finished with exit code 0
Press ENTER to exit console.

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09-10-2021

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5 Write your code in this editor and press "Run" button to compile and execute it.
6
7 *****
8
9 #include<stdio.h>
10 int main()
11 {
12 int num,rem=0,pnum=0,rev=0;
13 printf("Enter a number:\n");
14 scanf("%d",&num);
15 while(num!=0)
16 {
17 rem=num%10;
18 if(rem==0)
19 pnum=pnum*10;
20 else
21 pnum=pnum*10 + rem + 1;
22 num=num/10;
23 }
24 rem=0;
25 while(pnum!=0)
26 {
27 rem=pnum%10;
28 rev=rev*10+rem;
29 pnum=pnum/10;
30 }
31 printf("Pin number = %d",rev);
32 return 0;
33 }
34
35

input
Enter a number:
4184
Pin number = 5295
...Program finished with exit code 0
Press ENTER to exit console.

Registers

Register	Value
----------	-------

Display Expressions

Expression	Value
------------	-------

Enter expression to watch

Breakpoints and Watchpoints

#	Description
---	-------------

Windows Taskbar

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Code, Compile, Run and Debug C program online.
Write your code in this editor and press "Run" button to compile and execute it.

```
1 #include<stdio.h>
2
3 int main()
4 {
5     int num,rem=0,pnum=0,rev=0;
6     printf("Enter a number:\n");
7     scanf("%d",&num);
8     while(num!=0)
9     {
10         rem=num%10;
11         if(rem==0)
12             pnum=pnum*10;
13         else
14             pnum=pnum*10 + rem + 1;
15         num=num/10;
16     }
17     rem=0;
18     while(pnum!=0)
19     {
20         rem=pnum%10;
21         rev=rev*10+rem;
22         pnum=pnum/10;
23     }
24     printf("Pin number = %d",rev);
25     return 0;
26 }
```

input
Enter a number:
2995
Pin number = 3006
...Program finished with exit code 0
Press ENTER to exit console.

Variable	Value
Registers	
Register	Value
Display Expressions	
Expression	Value
Enter expression to watch	
Breakpoints and Watchpoints	
#	Description

62.3K

Windows taskbar with icons for File Explorer, Microsoft Edge, and other applications. System tray shows ENG IN, network status, and time 05:09 PM 09-10-2021.