

```
1  #include <stdio.h>
2
3  int main() {
4      int decimalNum, binaryNum[32], i = 0;
5      printf("MANI 192210414");
6      printf("Enter a decimal number: ");
7      scanf("%d", &decimalNum);
8
9      while(decimalNum > 0) {
10         binaryNum[i] = decimalNum % 2;
11         decimalNum = decimalNum / 2;
12         i++;
13     }
14
15     printf("Binary number: ");
16     for(int j = i - 1; j >= 0; j--)
17         printf("%d", binaryNum[j]);
18
19     return 0;
20 }
```

```
MANI 192210414Enter a decimal number: 6.1
Binary number: 110
-----
Process exited after 2.897 seconds with return
value 0
Press any key to continue . . . |
```

Abort Compilation

☐ Shorten compiler paths

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\nithi\OneDrive\Documents\Untitled2.exe
- Output Size: 128.1015625 KiB
- Compilation Time: 0.20s
```

```
1 #include <stdio.h>
2
3 int main() {
4     int num, count = 0;
5     printf("mani 192210414");
6     printf("Enter an integer: ");
7     scanf("%d", &num);
8
9     while(num != 0) {
10         num /= 10;
11         ++count;
12     }
13
14     printf("The number of digits in the integer is: %d\n", count);
15     return 0;
16 }
```

Abort Compilation

☐ Shorten compiler paths

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\nithi\OneDrive\Documents\Untitled2.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.25s
```



```
C:\Users\nithi\OneDri x + - □ x
mani 192210414Enter an integer: 6
The number of digits in the integer is: 1

-----
Process exited after 2.483 seconds with return
value 0
Press any key to continue . . . |
```

```
Project Classes Debug Untitled2.cpp
1  #include <stdio.h>
2
3  int main() {
4      int num, reverse = 0, remainder;
5      printf("mani 192210414");
6      public int __cdecl printf (const char * __restrict __Format, ...)
7      scanf("%d", &num);
8
9      for (; num != 0; num /= 10) {
10         remainder = num % 10;
11         reverse = reverse * 10 + remainder;
12     }
13
14     printf("The reverse of the number is: %d", reverse);
15     return 0;
16 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\nithi\OneDrive\Documents\Untitled2.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 1.45s
```

Line: 5 Col: 27 Sel: 0 Lines: 16 Length: 356 Insert Done parsing in 0 seconds

```
C:\Users\nithi\OneDri x + - □ x
mani 192210414Enter a number: 56
The reverse of the number is: 65
-----
Process exited after 1.979 seconds with return
value 0
Press any key to continue . . . |
```

C:\Users\nithi\OneDrive\Documents\Untitled2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

Untitled2.cpp

```
1 #include <stdio.h>
2 int main() {
3     char c;
4     printf("mani 192210414");
5     public int __cdecl printf (const char * __restrict __Format, ...)
6     scanf("%c", &c);
7
8     if ((c >= 'a' && c <= 'z') || (c >= 'A' && c <= 'Z'))
9         printf("%c is an alphabet.", c);
10    else
11        printf("%c is not an alphabet.", c);
12
13    return 0;
14 }
```

man 192210414Enter a character: v  
v is an alphabet.  
-----  
Process exited after 11.31 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Errors: 0  
Warnings: 0  
Output Filename: C:\Users\nithi\OneDrive\Documents\Untitled2.exe  
Output Size: 128.6015625 KiB  
Compilation Time: 0.45s

Line: 4 Col: 27 Sel: 0 Lines: 14 Length: 311 Insert Done parsing in 0.031 seconds

```
Project Classes Debug Untitled2.cpp
1  #include <stdio.h>
2
3  int main() {
4      char ch;
5      printf("mani 192210414");
6      public int __cdecl printf (const char * __restrict__ _Format, ...)
7      scanf("%c", &ch);
8
9      if(ch >= 'A' && ch <= 'Z')
10         printf("The entered character is an uppercase alphabet.\n");
11     else if(ch >= 'a' && ch <= 'z')
12         printf("The entered character is a lowercase alphabet.\n");
13     else
14         printf("The entered character is not an alphabet.\n");
15
16     return 0;
17 }
```

```
C:\Users\nithi\OneDrive\Documents\Untitled2.exe
mani 192210414Enter a character: M
The entered character is an uppercase alphabet
.

-----
Process exited after 3.788 seconds with return
value 0
Press any key to continue . . . |
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\nithi\OneDrive\Documents\Untitled2.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.55s
```

Line: 5 Col: 26 Sel: 0 Lines: 17 Length: 427 Insert Done parsing in 0.031 seconds



C:\Users\nithi\OneDrive\Documents\Untitled2.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

IDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

Untitled2.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int amount, count500=0, count100=0, count50=0, count20=0, count10=0, count5=0, count2=0, count1=0;
5     printf("mani 192210414");
6     public int __cdecl printf (const char * __restrict__ _Format, ...)
7     scanf("%d", &amount);
8
9     // count the number of each denomination required
10    if (amount >= 500) {
11        count500 = amount / 500;
12        amount %= 500;
13    }
14    if (amount >= 100) {
15        count100 = amount / 100;
16        amount %= 100;
17    }
18    if (amount >= 50) {
19        count50 = amount / 50;
20        amount %= 50;
21    }
22    if (amount >= 20) {
23        count20 = amount / 20;
24        amount %= 20;
25    }
26    if (amount >= 10) {
27        count10 = amount / 10;
28        amount %= 10;
29    }
30    if (amount >= 5) {
31        count5 = amount / 5;
32        amount %= 5;
33    }
34    if (amount >= 2) {
35        count2 = amount / 2;
36        amount %= 2;
37    }
38    if (amount >= 1) {
39        count1 = amount;
40    }
41
42    // print the result
43    printf("Rs. 500: %d\n", count500);
```

man 192210414Enter the amount: 100

Rs. 500: 0

Rs. 100: 1

Rs. 50: 0

Rs. 20: 0

Rs. 10: 0

Rs. 5: 0

Rs. 2: 0

Rs. 1: 0

-----

Process exited after 3.216 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Errors: 0

Warnings: 0

Output Filename: C:\Users\nithi\OneDrive\Documents\Untitled2.exe

Output Size: 129.1015625 KiB

Compilation Time: 0.55s

Line: 5 Col: 27 Sel: 0 Lines: 53 Length: 1305 Insert Done parsing in 0.062 seconds

```
Project Classes Debug Untitled2.cpp
1  #include <stdio.h>
2
3  int main() {
4      int num, sum = 0, digit;
5      printf("mani 192210414");
6      scanf("%d", &num);
7      public int __cdecl printf (const char * __restrict__ _Format, ...)
8
9      for(; num > 0; num /= 10) {
10         digit = num % 10;
11         sum += digit;
12     }
13
14     printf("Sum of digits: %d\n", sum);
15
16     return 0;
17 }
```

```
C:\Users\nithi\OneDri x + - _ □ x
mani 192210414Enter a number: 41562771
Sum of digits: 33

-----
Process exited after 2.385 seconds with return
value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\nithi\OneDrive\Documents\Untitled2.exe
- Output Size: 128.1015625 KiB
- Compilation Time: 0.58s
```

Line: 5 Col: 27 Sel: 0 Lines: 17 Length: 313 Insert Done parsing in 0.047 seconds

```
1 #include <stdio.h>
2
3 int main() {
4     int num;
5     printf("mani 192210414");
6     scanf("%d", &num);
7
8     if (num % 5 == 0 && num % 11 == 0) {
9         printf("%d is divisible by 5 and 11.\n", num);
10    } else {
11        printf("%d is not divisible by both 5 and 11.\n", num);
12    }
13
14
15
16 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\nithi\OneDrive\Documents\Untitled2.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.30s
```

```
C:\Users\nithi\OneDrive\Documents\Untitled2.exe
mani 192210414Enter a number: 6
6 is not divisible by both 5 and 11.

-----
Process exited after 3.887 seconds with return value 0
Press any key to continue . . . |
```