

C Programming	C++ Programming
<pre>#include <stdio.h> int main() { printf("Hello World!"); return 0; }</pre>	<pre>#include <iostream> using namespace std; int main() { cout << "Hello World!"; return 0; }</pre>
<pre>#include <stdio.h> int main() { // Create variables int myNum = 15; // Integer (whole number) float myFloatNum = 5.99; // Floating point number char myLetter = 'D'; // Character // Print variables printf("%d\n", myNum); printf("%f\n", myFloatNum); printf("%c\n", myLetter); return 0; }</pre>	<pre>#include <iostream> using namespace std; int main() { int myNum = 5; // Integer (whole number without decimals) double myFloatNum = 5.99; // Floating point number (with decimals) char myLetter = 'D'; // Character string myText = "Hello"; // String (text) bool myBoolean = true; cout << myNum << myFloatNum << myLetter << myText ; return 0; }</pre>
<pre>#include <stdio.h> int main() { int x = 20; int y = 18; if (x > y) { printf("x is greater than y"); } return 0; }</pre>	<pre>#include <iostream> using namespace std; int main() { int x = 20; int y = 18; if (x > y) { cout << "x is greater than y"; } return 0; }</pre>

<pre>#include <stdio.h> int main() { int day = 4; switch (day) { case 1: printf("Monday"); break; case 2: printf("Tuesday"); break; case 3: printf("Wednesday"); break; case 4: printf("Thursday"); break; case 5: printf("Friday"); break; case 6: printf("Saturday"); break; case 7: printf("Sunday"); break; } return 0; }</pre>	<pre>#include <iostream> using namespace std; int main() { int day = 4; switch (day) { case 1: cout << "Monday"; break; case 2: cout << "Tuesday"; break; case 3: cout << "Wednesday"; break; case 4: cout << "Thursday"; break; case 5: cout << "Friday"; break; case 6: cout << "Saturday"; break; case 7: cout << "Sunday"; break; } return 0; }</pre>
<pre>#include <stdio.h> int main() { int i = 0; while (i < 5) { printf("%d\n", i); i++; } return 0; }</pre>	<pre>#include <iostream> using namespace std; int main() { int i = 0; while (i < 5) { cout << i << "\n"; i++; } return 0; }</pre>

<pre>#include <stdio.h> int main() { int i; for (i = 0; i < 5; i++) { printf("%d\n", i); } return 0; }</pre>	<pre>#include <iostream> using namespace std; int main() { for (int i = 0; i < 5; i++) { cout << i << "\n"; } return 0; }</pre>
<pre>#include <stdio.h> int main() { int myNumbers[] = {25, 50, 75, 100}; printf("%d", myNumbers[0]); return 0; }</pre>	<pre>#include <iostream> #include <string> using namespace std; int main() { string cars[4] = {"Volvo", "BMW", "Ford", "Mazda"}; cout << cars[0]; return 0; }</pre>
<pre>#include <stdio.h> int main() { char greetings[] = "Hello World!"; printf("%s", greetings); return 0; }</pre>	<pre>#include <iostream> #include <string> using namespace std; int main() { string greeting = "Hello"; cout << greeting; return 0; }</pre>
<pre>#include <stdio.h> // Create a function void myFunction() { printf("I just got executed!"); } int main() { myFunction(); // call the function return 0; }</pre>	<pre>#include <iostream> using namespace std; void myFunction() { cout << "I just got executed!"; } int main() { myFunction(); return 0; }</pre>

<pre>#include <stdio.h> // Create a structure called myStructure struct myStructure { int myNum; char myLetter; }; int main() { // Create a structure variable of myStructure called s1 struct myStructure s1; // Assign values to members of s1 s1.myNum = 13; s1.myLetter = 'B'; // Print values printf("My number: %d\n", s1.myNum); printf("My letter: %c\n", s1.myLetter); return 0; }</pre>	<pre>#include <iostream> #include <string> using namespace std; int main() { struct { int myNum; string myString; } myStructure; myStructure.myNum = 1; myStructure.myString = "Hello World!"; cout << myStructure.myNum << "\n"; cout << myStructure.myString << "\n"; return 0; }</pre>
<pre>#include <stdio.h> int main() { int myAge = 43; printf("%d\n", myAge); printf("%p\n", &myAge); return 0; }</pre>	<pre>#include <iostream> #include <string> using namespace std; int main() { string food = "Pizza"; cout << food << "\n"; cout << &food << "\n"; return 0; }</pre>
<pre>#include <stdio.h> int main() { int myAge = 43; // An int variable int* ptr = &myAge; // A pointer variable, with the name ptr, that stores the address of myAge // Output the value of myAge (43) printf("%d\n", myAge); // Output the memory address of myAge (0x7ffe5367e044) printf("%p\n", &myAge); }</pre>	<pre>#include <iostream> #include <string> using namespace std; int main() { string food = "Pizza"; // A string variable string* ptr = &food; // A pointer variable that stores the address of food // Output the value of food cout << food << "\n"; }</pre>

```
// Output the memory address of myAge with the  
pointer (0x7ffe5367e044)  
printf("%p\n", ptr);  
  
return 0;  
}
```

```
// Output the memory address of  
food  
cout << &food << "\n";  
  
// Output the memory address of  
food with the pointer  
cout << ptr << "\n";  
return 0;  
}
```