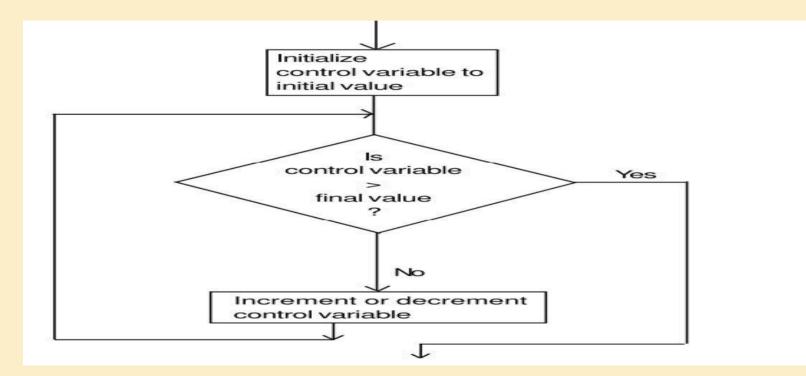
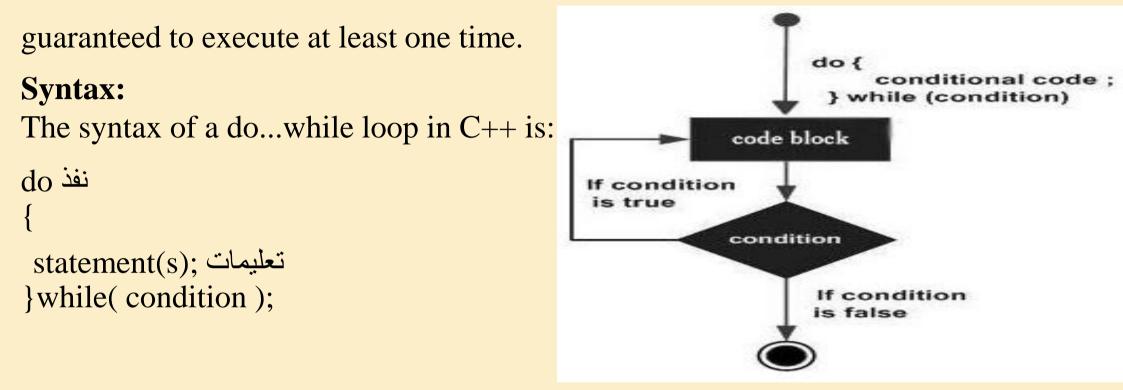
Loop Statements



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Do While statements

A do...while loop is similar to a while loop, except that a do...while loop is



Examples

```
# include <iostream>
using namespace std;
int main()
{
  // Local variable declaration:
  int a = 10;
  // do loop execution
  do
   {
    cout << "value of a: " << a << endl;</pre>
    a = a + 1;
   } while (a < 16);</pre>
  return 0;
```

}

1) Write a C++ program to enter two numbers and compute the summation of these numbers.

* Entry process continues when the user enters the char "Y/ y" . yes * Using Do while Statement

```
# include <iostream>
using namespace std;
int main()
```

ł

```
int num1, num2;
char again;
do {
    cout << "Enter a number: ";
    cin >> num1;
    cout << "Enter another number: ";
    cin >> num2;
    cout << "Their sum is " << (num1 + num2) << endl;
    cout << "Do you want to do this again? ";
    cin >> again;
} while (again == 'y' || again == 'Y');
```

return 0;

}

2) Write a program that reads three nonzero integers and determines and prints if they could be the sides of a right triangle. 2 - 2 + 2

Ex: a = 3, b = 4, c = 5# include <iostream> using namespace std; int main() int a, b, c; do cout << " Enter three integers "; cin >> a >> b >> c; } while $(a \le 0 \parallel b \le 0 \parallel c \le 0);$ if (c * c == a * a + b * b)cout << "It's a right triangle" << endl; else cout << "It's not a right triangle" << endl;

return 0;