## C++ Programming Range-based for loop

Mostafa S. Ibrahim Teaching, Training and Coaching since more than a decade!

Artificial Intelligence & Computer Vision Researcher PhD from Simon Fraser University - Canada Bachelor / Msc from Cairo University - Egypt Ex-(Software Engineer / ICPC World Finalist)



## **Auto**

## C++11 iterating style

```
10⊖ int main() {
       int arr[] { 1, 2, 3 };
      for (auto val : arr)
          cout << val << " "; // 1 2 3
       cout << "\n";
      deque<int> q { 1, 2, 3, 4, 5 };
       for (const auto &val : q)
          cout << val << " "; // 1 2 3 4 5
       cout << "\n":
       for (auto val : { 1, 2, 3, 4, 5 })
          cout << val << " ": // 1 2 3 4 5
       cout << "\n";
      for (auto val : "hello")
          cout << val; // hello
       cout << "\n":
```

"Acquire knowledge and impart it to the people."

"Seek knowledge from the Cradle to the Grave."