Week 14-15

Q9. Program to demonstrate throw keyword

#include <iostream>

using namespace std;

void checkValue(int value) {

if (value < 0) {

throw runtime\_error("Error: Negative value provided!"); // Throw an exception for negative values

}

}

int main() {

int num;

cout << "Enter a positive number: ";

cin >> num;

try {

checkValue(num); // Call function that may throw an exception

cout << "You entered: " << num << endl;

} catch (const runtime\_error& e) {

cout << e.what() << endl; // Catch and display any thrown exceptions

}

return 0;

}