1 - #include <iostream>

using namespace std;

void recursiveLoop(int x, int current) {

if (current < x) {

cout << "\nQue legal! Estou em loop!" << endl;

cout << "E dá-lhe " << x << endl;

recursiveLoop(x, current + 1);

}

}

int main() {

int x;

cin >> x;

recursiveLoop(x, 0);

return 0;

}

2 - #include <iostream>

using namespace std;

int main() {

int count = 0;

for (int i = 0; i < 6; i++) {

int num;

cin >> num;

if (num % 2 == 0) {

count++;

}

}

cout << "Quantidade de números pares: " << count << endl;

return 0;

}

3 - #include <iostream>

using namespace std;

int countEvenRecursively(int count, int remaining) {

if (remaining == 0) {

return count;

} else {

int num;

cin >> num;

if (num % 2 == 0) {

count++;

}

return countEvenRecursively(count, remaining - 1);

}

}

int main() {

int count = countEvenRecursively(0, 6);

cout << "Quantidade de números pares: " << count << endl;

return 0;

}

4 - #include <iostream>

using namespace std;

int findMinimumRecursively(int min, int remaining) {

if (remaining == 0) {

return min;

} else {

int num;

cin >> num;

if (num < min) {

min = num;

}

return findMinimumRecursively(min, remaining - 1);

}

}

int main() {

int min = findMinimumRecursively(INT\_MAX, 8);

cout << "O menor valor é: " << min << endl;

return 0;

}

5 - #include <iostream>

using namespace std;

int findMaximumRecursively(int max, int remaining) {

if (remaining == 0) {

return max;

} else {

int num;

cin >> num;

if (num > max) {

max = num;

}

return findMaximumRecursively(max, remaining - 1);

}

}

int main() {

int max = findMaximumRecursively(INT\_MIN, 8);

cout << "O maior valor é: " << max << endl;

return 0;

}

6 - #include <iostream>

using namespace std;

int countBetween5And8Recursively(int count, int remaining) {

if (remaining == 0) {

return count;

} else {

int num;

cin >> num;

if (num >= 5 && num <= 8) {

count++;

}

return countBetween5And8Recursively(count, remaining - 1);

}

}

int main() {

int count = countBetween5And8Recursively(0, 6);

cout << "Quantidade de valores entre 5 e 8: " << count << endl;

return 0;

}