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**SE 2019**

**Week 2**

**201. Problem 201**

#include <iostream> // add standard input/output stream library

using namespace std; // write std:: by default

int main() { // declare main function

int num; // declare integer number

cin >> num; // input number by user

cout << num; // console output number

return 0; // end of the main function

}

**202. Problem 202**

#include <iostream> // add standard input/output stream library

using namespace std; // write std:: by default

int main() { // declare main function

int num1, num2; // declare 2 integer numbers

cin >> num1 >> num2; // input 2 numbers by user

cout << num1 + num2; // console output sum of 2 numbers

return 0; // end of the main function

}

**203. Problem 203**

#include <iostream> // add standard input/output stream library

using namespace std; // write std:: by default

int main() { // declare main function

int num1, num2; // declare 2 integer numbers

cin >> num1 >> num2; // input 2 numbers by user

cout << num1 \* num2; // console output product of 2 numbers

return 0; // end of the main function

}

**204. Problem 204**

#include <iostream> // add standard input/output stream library

using namespace std; // write std:: by default

int main() { // declare main function

int x, y, z; // declare 3 integer numbers

cin >> x >> y >> z; // input 3 numbers by user

cout << x \* x + y - z / 2; // calculate given formula and console output the result

return 0; // end of the main function

}

**205. Problem 205+**

#include <iostream> // add standard input/output stream library

using namespace std; // write std:: by default

int main() { // declare main function

int num1, num2; // declare 2 integer numbers

cin >> num1 >> num2; // input 2 numbers by user

if (num1 % num2 == 0) { // check if the first number can be divided by the second number without reminder

cout << "yes"; // if condition is true then console output yes

} else { // if condition is false execute this statement

cout << "no"; // console output no

}

return 0; // end of the main function

}

**206. Problem 206+**

#include <iostream> // add standard input/output stream library

using namespace std; // write std:: by default

int main() { // declare main function

int num1, num2; // declare 2 integer numbers

cin >> num1 >> num2; // input 2 numbers by user

if (num1 > num2) { // check if the first number is greater than the second

cout << ">"; // if condition is true console output >

} else if (num1 < num2) { // if previous condition was false then check if the first number is less than the second

cout << "<"; // if second condition is true console output <

} else { // if none of the previous conditions are true then execute statement below

cout << "="; // console output =

}

return 0; // end of the main function

}

**207. Problem 207**

#include <iostream> // add standard input/output stream library

using namespace std; // write std:: by default

int main() { // declare main function

double num1, num2; // declare 2 real numbers

cin >> num1 >> num2; // input 2 real numbers by user

cout << (num1 + num2) / 2; // calculate and console output average of 2 numbers

return 0; // end of the main function

}

**208. Problem 208**

#include <iostream> // add standard input/output stream library

using namespace std; // write std:: by default

int main() { // declare main function

int num1, num2; // declare 2 integer numbers

cin >> num1 >> num2; // input 2 numbers by user

cout << num1 % num2; // console output reminder of the division of the first number by the second

return 0; // end of the main function

}

**209. Problem 209**

#include <iostream> // add standard input/output stream library

using namespace std; // write std:: by default

int main() { // declare main function

double k, c; // declare 2 real numbers

cin >> k >> c; // input 2 real numbers by user

// 3 lines of code below do console ouput text given in the problem,

// calculate result of given formula and go to the next line

cout << "x = 0.1 : y = " << k \* 0.1 + c << endl;

cout << "x = 1 : y = " << k + c << endl;

cout << "x = 5 : y = " << k \* 5 + c << endl;

return 0; // end of the main function

}

**210. Problem 210**

#include <iostream> // add standard input/output stream library

using namespace std; // write std:: by default

int main() { // declare main function

double x, y; // declare 2 real numbers

cin >> x >> y; // input 2 real numbers by user

cout << ((x - 2 \* y) \* x) / (-2 \* y); // calculate and console output result of the given formula

return 0; // end of the main function

}