15.Write a program that input two integers. It passes first integer to a function that calculate and return its square. It passes second integer to another function that calculate and return its cube. The main() function adds both return value and display the result.

Coding:

#include <iostream>

// Function declarations

int calculateSquare(int number);

int calculateCube(int number);

int main() {

int num1, num2;

// Input two integers from the user

std::cout << “Enter the first integer: “;

std::cin >> num1;

std::cout << “Enter the second integer: “;

std::cin >> num2;

// Call the functions to calculate square and cube

int square = calculateSquare(num1);

int cube = calculateCube(num2);

// Add the results and display the total

int total = square + cube;

std::cout << “The square of “ << num1 << “ is: “ << square << std::endl;

std::cout << “The cube of “ << num2 << “ is: “ << cube << std::endl;

std::cout << “The sum of the square and the cube is: “ << total << std::endl;

return 0;

}

// Function definitions

int calculateSquare(int number) {

return number \* number;

}

int calculateCube(int number) {

return number \* number \* number;

}

