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/*
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CTAERN
Period 8
Discovering methods
*/

//Preprocessor directives
#include <stdio.h>
#include <cs50.h>

//Method Signatures
void sayHello();
void saySomethingElse(int age);
int add(int a, int b, int c);
double divide(double luke, double vader);

//Main entry point of my program
int main(int argc, char* argv[]){

    //Calling procedures section
    sayHello();
    int pretendAge = 25;
    //pretendAge is still the ARGUMENT!
    saySomethingElse(pretendAge);

    //Calling Functions Section
    int hamSandwich = add(6,12,45);
    printf("The answer to my addition is: %d.\n", hamSandwich);

    double leia = divide(95.54792, 119.64302);
    printf("The answer to my division is: %f.\n", leia);

    return 0;
}

void sayHello(){
    printf("Hi there!\n");
}

void saySomethingElse(int age){
    printf("I am guessing that you are %d years old.\n", age);
}

int add(int a, int b, int c){

    int answer = a + b + c;
    return answer;
}

double divide(double luke, double vader){
    double force = luke / vader;
    return force;
}
```