David Cheng and Kevin Hom

Part A Problem 4

//

// main.cpp

// Lab 4 - Part A Problem 4

//

// Created by Kevin Hom on 10/11/16.

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//

#include <iostream>

using namespace std;

int main() {

for(int i = 0; i <= 4; i++)

for(int j = 3; j > 0; j--)

cout << i\*j << " ";

cout << endl;

return 0;

}

Part B Problem 1

//

// main.cpp

// Lab 4 - Part B Problem 1

//

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//

#include <iostream>

#include <cstdlib>

#include <ctime>

using namespace std;

int die(int n){

n = rand() % 6 + 1;

return n;

}

int main() {

srand(time(0));

cout << die(6) << endl;

return 0;

}

Part B Problem 3

//

// main.cpp

// Lab 4 Part B Problem 3

//

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//

#include <iostream>

using namespace std;

bool is\_even(int n){

if (n % 2 == 0)

return true;

else

return false;

}

int main() {

cout << is\_even(24) << endl;

return 0;

}

Part B Problem 5

//

// main.cpp

// Lab 4 Part B Problem 5

//

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//

#include <iostream>

using namespace std;

bool is\_even(int i){

if (i % 2 == 0){

return true;

}else{

return false;

}

}

int evens\_between (int n, int m){

int count = 0;

for(int i = n; i <= m; i++)

{

if(is\_even(i) == true)

{

count++;

}

}

return count;

}

int main() {

cout << evens\_between(1, 10) << endl;

return 0;

}