// Gavin Garner

// Box Office

// This program will determine the net and gross profit for the theater

#include <iostream>

#include <string>

#include <iomanip>

using namespace std;

int main()

{

float grossPRCNT = 0.20, adultT = 10.0 , childT = 6.0;

int numAdult, numChild;

string movie;

char dollar = '$';

cout << "Enter the name of the movie: ";

getline(cin, movie);

cout << "\nEnter number of Adult Ticket sales: ";

cin >> numAdult;

cout << "\nEnter number of Child Ticket sales: ";

cin >> numChild;

float grossProfit = float(numAdult \* adultT + numChild \* childT),

profit = float(numAdult \* adultT + numChild \* childT) \* grossPRCNT,

distributed = float(grossProfit - profit);

cout << setprecision(2) << fixed;

cout << "\n\nName of film: " << setw(42) << right << movie;

cout << "\nAdult Ticket Sales: " << setw(36) << right << numAdult;

cout << "\nChild Ticket Sales: " << setw(36) << right << numChild;

cout << "\nGross Box Office Profit: " << setw(24) << right << dollar << grossProfit << endl;

cout << "Net Box Office Profit: " << setw(27) << right << dollar << profit << endl;

cout << "Amount Paid to Distributor: " << setw(21) << right << dollar << distributed << endl;

return 0;

}

