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Class: CMSC140\_30522

Instructor: Charles Naegeli

Class work 4 part 2

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#include <iostream>

#include <string>

#include <iomanip>

using namespace std;

int main() {

// define my varaibles

const double BASE\_PRICE1 = 100.0;

const double BASE\_PRICE2 = 130.;

const double BASE\_PRICE3 = 150.;

const double BASE\_PRICE4 = 160.;

const double BASE\_PRICE5 = 165.;

const double SURCHARGE = 0.10;

int numberOfS;

char isFancyBack;

char isAppointment;

double price;

cout << "Enter the number of subjects in the portrait : ";

cin >> numberOfS;

if (numberOfS < 1)

cout << "please enter a number greater than 0" << endl;

else

{

switch (numberOfS)

{

case 1: price = BASE\_PRICE1;

break;

case 2: price = BASE\_PRICE2;

break;

case 3: price = BASE\_PRICE3;

break;

case 4: price = BASE\_PRICE4;

break;

default: price = BASE\_PRICE5;

}

// calculate the price after surcharge as required

cout << "Do you want a fancy background(y / n) ?";

cin >> isFancyBack;

cout << "Do you want an appointment date(y / n)?";

cin >> isAppointment;

cout << endl;

if (isFancyBack == 'y' && isAppointment == 'y');

price = price + price \* 2 \* SURCHARGE;

// add case for surcharge

else {

if (isFancyBack == 'y' || isAppointment == 'y')

price = price + price \* SURCHARGE;

cout << "The price is : $" << price << endl;

}

}

system("pause");

return 0;

}





