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| A screenshot of a computer program  AI-generated content may be incorrect. | Screenshot shows the user selecting course number 3 as their choice, and after trying again to add another course add course number 8. However, there is no course number 8 so it is unrecognized and cannot be added to the confirmed courses. |
| A screenshot of a computer program  AI-generated content may be incorrect. | After selecting our first course, we try to add the same one to our list of courses again, only for the program to tell us we already registered for this course. |
| A screenshot of a computer program  AI-generated content may be incorrect. | After adding 3 courses to our confirmed courses, we try to add another course to our list. However, each course is 3 credit hours, meaning we can’t add anymore courses since we reached the 9 credit hours limit. |

using System;

namespace ConsoleRegisterStudent

{

class Program

{

static void Main(string[] args)

{

// runs void method

new Program().Run();

}

void Run()

{

// input choice

int choice;

// first, second, and third choice

int firstChoice = 0, secondChoice = 0, thirdChoice = 0;

// keeps track of credits

int totalCredit = 0;

// input of whether user wants to continue adding courses

string yesOrNo = "";

System.Console.WriteLine("Nikki Malmanger's Copy");

do

{

WritePrompt();

choice = Convert.ToInt32(Console.ReadLine());

switch (ValidateChoice(choice, firstChoice, secondChoice, thirdChoice, totalCredit))

{

// if user enters a number that isn't between 1 and 7

case -1:

Console.WriteLine("Your entered selection {0} is not a recognized course.", choice);

break;

// if user enters a course number they're already registered for

case -2:

Console.WriteLine("You have already registered for this {0} course.", ChoiceToCourse(choice));

break;

// if user enters more than 3 course numbers that they're already registered for

case -3:

Console.WriteLine("You can not register for more than 9 credit hours.");

break;

// if user enters a course number and doesn't apply to the previous 3 cases

case -4:

Console.WriteLine("Registration confirmed for course {0}.", ChoiceToCourse(choice));

// increments total credits by 3 each time a new one is added

totalCredit += 3;

// if first course is empty, input will equal first choice

if (firstChoice == 0)

firstChoice = choice;

// if second course is empty, input will equal second choice

else if (secondChoice == 0)

secondChoice = choice;

// if third course is empty, input will equal third choice

else if (thirdChoice == 0)

thirdChoice = choice;

break;

}

WriteCurrentRegistration(firstChoice, secondChoice, thirdChoice);

// asks whether the user wants to continue adding courses or not

Console.Write("\nDo you want to try again? (Y|N)? : ");

yesOrNo = (Console.ReadLine()).ToUpper();

} while (yesOrNo == "Y");

// if user doesn't type "Y," program exits

Console.WriteLine("Thank you for registering with us");

}

void WritePrompt()

{

// initial writing prompt when program first starts

Console.WriteLine("Please select a course for which you want to register by typing the number inside []");

Console.WriteLine("[1]IT 145\n[2]IT 200\n[3]IT 201\n[4]IT 270\n[5]IT 315\n[6]IT 328\n[7]IT 330");

Console.Write("Enter your choice : ");

}

int ValidateChoice(int choice, int firstChoice, int secondChoice, int thirdChoice, int totalCredit)

{

// returns the related case number back in the Run method

if (choice < 1 || choice > 7)

return -1;

else if (choice == firstChoice || choice == secondChoice || choice == thirdChoice)

return -2;

else if (totalCredit >= 9)

return -3;

return -4;

}

// method that prints all the user's courses

void WriteCurrentRegistration(int firstChoice, int secondChoice, int thirdChoice)

{

if (secondChoice == 0)

Console.WriteLine("You are currently registered for {0}", ChoiceToCourse(firstChoice));

else if (thirdChoice == 0)

Console.WriteLine("You are currently registered for {0}, {1}", ChoiceToCourse(firstChoice), ChoiceToCourse(secondChoice));

else

Console.WriteLine("You are currently registered for {0}, {1}, {2}", ChoiceToCourse(firstChoice), ChoiceToCourse(secondChoice), ChoiceToCourse(thirdChoice));

}

// method with all the available courses

string ChoiceToCourse(int choice)

{

string course = "";

switch (choice)

{

case 1:

course = "IT 145";

break;

case 2:

course = "IT 200";

break;

case 3:

course = "IT 201";

break;

case 4:

course = "IT 270";

break;

case 5:

course = "IT 315";

break;

case 6:

course = "IT 328";

break;

case 7:

course = "IT 330";

break;

default:

break;

}

return course;

}

}

}