Text

AI-generated content may be incorrect.

The first thing the program prints is my name followed by the course list and instructions.

Text

AI-generated content may be incorrect.

Entering an invalid number prints the correct message. If no valid choice has been made yet, it will not print the selected courses message.

Text

AI-generated content may be incorrect.

Typing y reprints the course list and prompts you again.

Text

AI-generated content may be incorrect.

Typing a valid course number registers you for that course and prints the currently selected courses.

Text

AI-generated content may be incorrect.

Selecting an already selected course will print a message saying you’re already registered for it, along with the selected courses. Also, typing a capital Y also works.

Text

AI-generated content may be incorrect.

Typing an invalid number after registering for at least one course will cause the currently registered courses to print.

Text

AI-generated content may be incorrect.

You can register for up to three courses.

Text

AI-generated content may be incorrect.

Attempting to register for a fourth course will display this message and print your currently selected courses.

Text

AI-generated content may be incorrect.

Despite this, selecting an invalid number or a number you already picked will still display the corresponding messages.

Text

AI-generated content may be incorrect.

Typing n (or anything that isn’t y) will end the program.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleRegisterStudent

{

class Program

{

static void Main(string[] args)

{

(new Program()).run();

}

void run()

{

int choice;

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

int totalCredit = 0;

string yesOrNo = "";

System.Console.WriteLine("Peskoff");

do

{

WritePrompt();

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

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

{

case -1:

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

break;

case -2:

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

break;

case -3:

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

break;

case 0:

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

totalCredit += 3;

if (firstChoice == 0)

{

firstChoice = choice;

}

else if (secondChoice == 0)

{

secondChoice = choice;

}

else if (thirdChoice == 0)

{

thirdChoice = choice;

}

break;

}

if (firstChoice != 0)

{

WriteCurrentRegistration(firstChoice, secondChoice, thirdChoice);

}

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

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

} while (yesOrNo == "Y");

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

}

void WritePrompt()

{

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)

{

if (choice < 1 || choice > 7)

{

return -1;

}

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

{

return -2;

}

else if (totalCredit >= 9)

{

return -3;

}

return 0;

}

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));

}

}

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;

}

}

}