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| --- | --- |
| This shows the basic layout of the program and the first course selection. Also, the prompt to select more courses. | A screenshot of a computer  Description automatically generated  Shows after making a second course selection. It still lists all courses selected. Also has the prompt to add more courses. |
| A screenshot of a computer  Description automatically generated  Showing the third course selection while still listing all courses selected. | A screenshot of a computer  Description automatically generated  Once you select you no longer want to select any more courses, the program thanks you for registering and stays open until a key is hit to allow user time to review what has been selected. |

using System;

using System.Linq;

namespace ConsoleRegisterStudent

{

class Program

{

static void Main(string[] args)

{

(new Program()).Run();

}

void Run()

{

int choice;

int[] registeredChoices = new int[3];

int totalCredit = 0;

string yesOrNo = "";

Console.WriteLine("Fischer");

do

{

WritePrompt();

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

int validationStatus = ValidateChoice(choice, registeredChoices, totalCredit);

switch (validationStatus)

{

case -1:

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

break;

case -2:

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

break;

case -3:

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

break;

case 0:

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

registeredChoices[totalCredit / 3] = choice;

totalCredit += 3;

break;

}

WriteCurrentRegistration(registeredChoices);

Console.Write("\nDo you want to register for another course? (Y|N)? : ");

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

} while (yesOrNo == "Y");

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

Console.WriteLine("Press any key to exit...");

Console.ReadKey();

}

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[] registeredChoices, int totalCredit)

{

if (choice < 1 || choice > 7)

return -1;

if (registeredChoices.Contains(choice))

return -2;

if (totalCredit >= 9)

return -3;

return 0;

}

void WriteCurrentRegistration(int[] registeredChoices)

{

var registeredCourses = registeredChoices.Where(c => c != 0).Select(c => ChoiceToCourse(c)).ToArray();

if (registeredCourses.Length == 0)

{

Console.WriteLine("You are not currently registered for any courses.");

}

else

{

Console.WriteLine("You are currently registered for: {0}", string.Join(", ", registeredCourses));

}

}

string ChoiceToCourse(int choice)

{

switch (choice)

{

case 1: return "IT 145";

case 2: return "IT 200";

case 3: return "IT 201";

case 4: return "IT 270";

case 5: return "IT 315";

case 6: return "IT 328";

case 7: return "IT 330";

default: return "";

}

}

}

}