

CPB221 Exercise ch07-2

7-4. Student management program

- Get input the number of students to manage, and get input their name, age, and course list one by one
 - Input data are separated by commas
 - Leading and trailing spaces of data element should be removed
- When the input of the students is done, the student data is output according to the output order option
 - By name, By age, By courses count (max count is first order)
 - Numbered in order of output
- Add options to restart program in the output stage

CPB221 Exercise ch07-2



Input count: 3

Input student info (name, age, course list): John Smith, 22, Discrete Mathematics, Physics

Input student info (name, age, course list): Mary Jones, 23, Programming Basics, Python Basics, C++

Input student info (name, age, course list): Jane Brown, 26, English

Input print options

1: By Name

2: By Age

3: By Courses Count

9: Restart Program

Enter the option: 1

Student 1: (name: Jane Brown, age: 26, course list: ['English'])

Student 2: (name: John Smith, age: 22, course list: ['Discrete Mathematics', 'Physics'])

Student 3: (name: Mary Jones, age: 23, course list: ['Programming Basics', 'Python Basics', 'C++'])

Enter the option: 2

Student 1: (name: John Smith, age: 22, course list: ['Discrete Mathematics', 'Physics'])

Student 2: (name: Mary Jones, age: 23, course list: ['Programming Basics', 'Python Basics', 'C++'])

Student 3: (name: Jane Brown, age: 26, course list: ['English'])

Enter the option: 3

Student 1: (name: Mary Jones, age: 23, course list: ['Programming Basics', 'Python Basics', 'C++'])

Student 2: (name: John Smith, age: 22, course list: ['Discrete Mathematics', 'Physics'])

Student 3: (name: Jane Brown, age: 26, course list: ['English'])

Enter the option: 9

Input count: 1

Input student info (name, age, course list):