CSE 102 Spring 2024 – Computer Programming Assignment 8

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Youtube : https://youtu.be/x90WudlIK_0

Part 1:

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**Menu**
1. Sort and display all individuals by age
2. Sort and display individuals in the branch by age
3. Show individuals with the branch 'SCIENCE'
4. Show computer scientist who are not mathematicians
5. Exit
Choice: 1
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NAME	SURNAME	AGE	BRANCH1	BRANCH2
		0		
Hypatia		35	MATHEMATICS	PHILOSOPHY
Ada	Lovelace	37	COMPUTER SCIENCE	
Canan	Dagdeviren	38	PHYSICS	MATERIALS SCIENCE
Grace	Hopper	41	COMPUTER SCIENCE	MATHEMATICS
Alan	Turing	42	COMPUTER SCIENCE	MATHEMATICS
John von	Neumann	54	COMPUTER SCIENCE	
Özlem	Tureci	57	MEDICINE	IMMUNOLOGY
Aristo		62	PHILOSOPHY	
Gregor	Mendel	62	GENETICS	MATHEMATICS
Mehmet	Oz	63	MEDICINE	
Dmitri	Mendeleev	63	CHEMISTRY	
Janaki	Ammal	67	BOTANY	CYTOGENETICS
Marie	Curie	67	CHEMISTRY	PHYSICS
Sokrates		70	PHILOSOPHY	
Feza	Gursey	71	PHYSICS	MATHEMATICS
Charles	Darwin	73	GENETICS	GEOLOGY
Albert	Einstein	76	PHYSICS	
Aziz	Sancar	77	CHEMISTRY	MEDICINE
John	Dalton	78	CHEMISTRY	PHYSICS
Behram	Kursunoglu	81	PHYSICS	
Isaac	Newton	84	PHYSICS	
Cahit	Arf	87	MATHEMATICS	
Asuman	Baytop	95	BOTANY	PHARMACY

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1. Sort and display all individuals by age
2. Sort and display individuals in the branch by age
3. Show individuals with the branch 'SCIENCE'
4. Show computer scientist who are not mathematicians
5. Exit
Choice: 2
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NAME	SURNAME	AGE	BRANCH1	BRANCH2
		0		
Janaki	Ammal	67	BOTANY	CYTOGENETICS
Asuman	Baytop	95	BOTANY	PHARMACY
Marie	Curie	67	CHEMISTRY	PHYSICS
Aziz	Sancar	77	CHEMISTRY	MEDICINE
John	Dalton	78	CHEMISTRY	PHYSICS
Dmitri	Mendeleev	63	CHEMISTRY	
Grace	Hopper	41	COMPUTER SCIENCE	MATHEMATICS
Alan	Turing	42	COMPUTER SCIENCE	MATHEMATICS
Ada	Lovelace	37	COMPUTER SCIENCE	
John von	Neumann	54	COMPUTER SCIENCE	
Gregor	Mendel	62	GENETICS	MATHEMATICS
Charles	Darwin	73	GENETICS	GEOLOGY
Hypatia		35	MATHEMATICS	PHILOSOPHY
Cahit	Arf	87	MATHEMATICS	
Özlem	Tureci	57	MEDICINE	IMMUNOLOGY
Mehmet	Oz	63	MEDICINE	
Aristo		62	PHILOSOPHY	
Sokrates		70	PHILOSOPHY	
Canan	Dagdeviren	38	PHYSICS	MATERIALS SCIENCE
Feza	Gursey	71	PHYSICS	MATHEMATICS
Albert	Einstein	76	PHYSICS	
Behram	Kursunoglu	81	PHYSICS	
Isaac	Newton	84	PHYSICS	

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**Menu**
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**Menu**
1. Sort and display all individuals by age
2. Sort and display individuals in the branch by age
3. Show individuals with the branch 'SCIENCE'
4. Show computer scientist who are not mathematicians
5. Exit
Choice: 3
NAME                    SURNAME             AGE     BRANCH1              BRANCH2
Grace                   Hopper              41       COMPUTER SCIENCE    MATHEMATICS

Alan                    Turing              42       COMPUTER SCIENCE    MATHEMATICS

Ada                     Lovelace            37       COMPUTER SCIENCE

John von                Neumann             54       COMPUTER SCIENCE

Canan                   Dagdeviren          38       PHYSICS             MATERIALS SCIENCE

**Menu**
1. Sort and display all individuals by age
2. Sort and display individuals in the branch by age
3. Show individuals with the branch 'SCIENCE'
4. Show computer scientist who are not mathematicians
5. Exit
Choice: 4
NAME                    SURNAME             AGE     BRANCH1              BRANCH2
Ada                     Lovelace            37       COMPUTER SCIENCE

John von                Neumann             54       COMPUTER SCIENCE

**Menu**
1. Sort and display all individuals by age
2. Sort and display individuals in the branch by age
3. Show individuals with the branch 'SCIENCE'
4. Show computer scientist who are not mathematicians
5. Exit
Choice: 5
Exiting...
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Part 2:

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P1(3, 3)
P2(1, 30)
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