

CS0012 Introduction to Computing for the Humanities

Project 1

Lab 2

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Part 1: Assigning sentences

For the second part of this project, we will determine what sentence would be assigned to each of the prisoners. You should update your program such that after each partner's choice is made, your program outputs the sentences assigned to each.

As a reminder:

- If both partners cooperate with the authorities, each of their sentences will be set at 4 years.
- If neither partner cooperates, their sentences will be set at 2 years each.
- If only one partner cooperates and the other stays silent, the cooperating partner will receive absolutely no jail time, while the silent partner will be sentenced to 6 years in prison.

Here is the output from several runs of the desired program:

You have the following two choices:

1: Cooperate with the authorities

2: Stay silent

Enter 1 or 2: 1

You chose 1

The computer chose 1

You both do 4 years in prison

You have the following two choices:

1: Cooperate with the authorities

2: Stay silent

Enter 1 or 2: 1

You chose 1

The computer chose 2

You're released!

The computer does 6 years in prison

You have the following two choices:

1: Cooperate with the authorities

2: Stay silent

Enter 1 or 2: 2

You chose 2

The computer chose 2

You both do 2 years in prison

Show the lab instructor that you have Lab 2 working.