COLLEGE OF COMPUTER AND INFORMATION SCIENCES
DEPARTMENT OF SOFTWARE ENGINEERING

SWE312: Software Requirements Engineering

3rd Term 2023

Assignment 2

STUDENT IDENTIFICATION:

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Question 1:

Express the following constraints in OCL.

1. **Invariants**

(a) A researcher must submit one manuscript.

```
context Researcher inv:
self.manuscript → size() = 1
```

(b) A research must be assigned one submission.

```
context Researcher inv:
self.submissior → size() = 1
```

(c) A paper must have at most 10000 words.

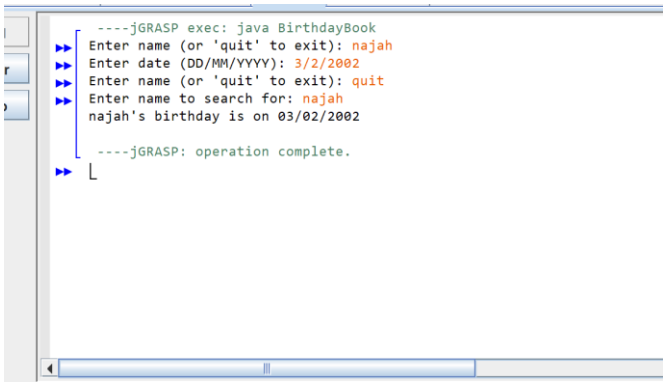
```
context Paper inv:
self.wordCount <= 10000
```

(d) Students are not allowed to review any paper.

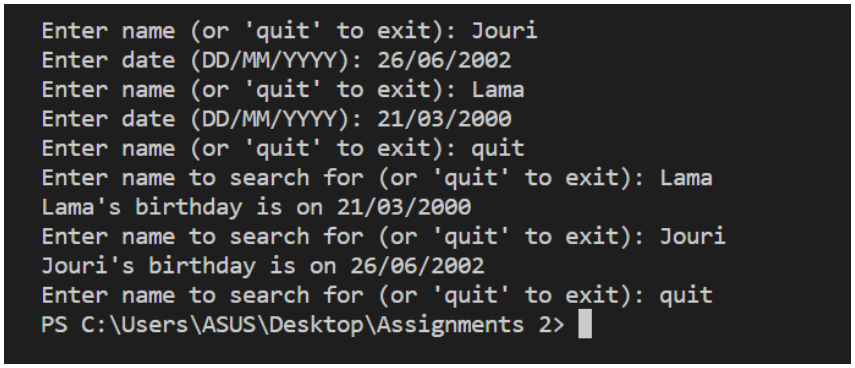
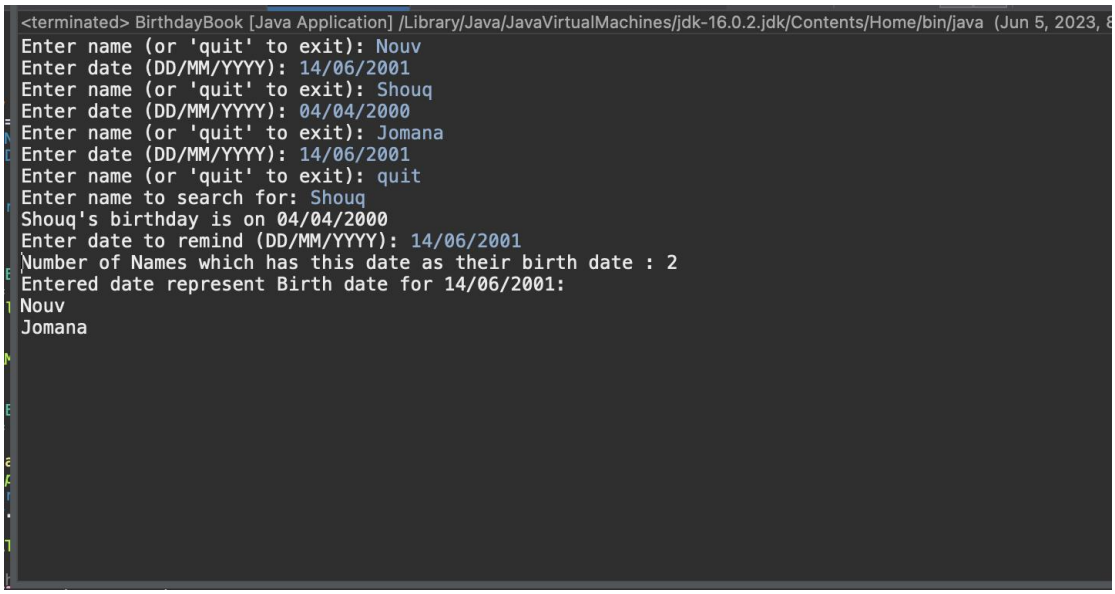
```
context Paper inv:
self.referee → not exists(r | r.isStudent = 1)
```

Question 2: Screen Shots of the outputs

A) A screen shot that represent the output for AddBirthday method.



B) A screen shot that represent the output for FindBirthday method.



C) A screen shot that represent the output for the **whole** Q2 including method Remind