#### BIRKBECK

(University of London)

### MSc EXAMINATION FOR INTERNAL STUDENTS

# MSc Computer Science MSc Data Science

Department of Computer Science and Information Systems

## Principles of Programming I

BUCI033S7

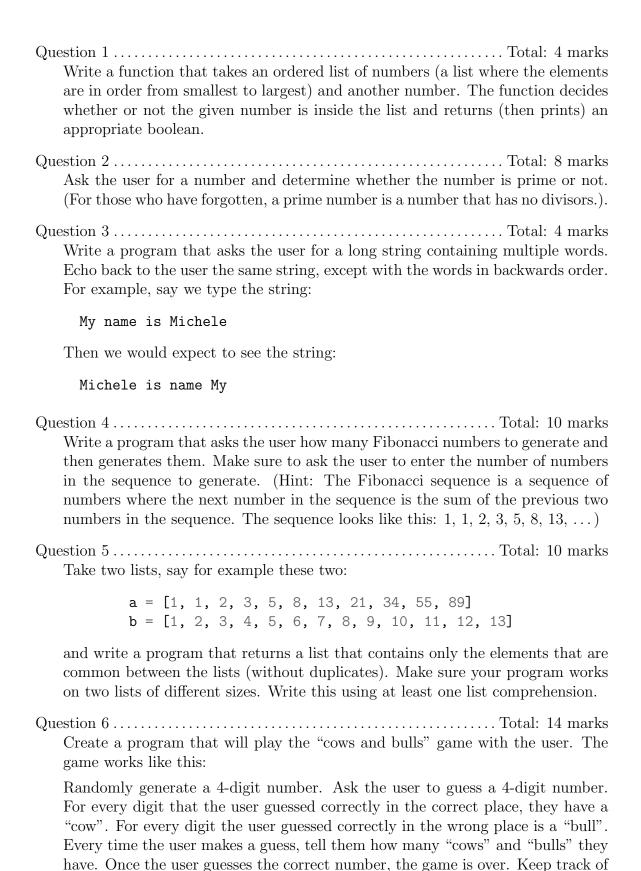
**DURATION OF PAPER:** One Hour

# PRACTICAL — MOCK PAPER — THREE

#### RUBRIC:

- 1. Candidates should attempt ALL 6 questions on this paper.
- 2. You are advised to look through the entire examination paper before getting started, in order to plan your strategy.
- 3. Simplicity and clarity of expression in your answers is important.
- 4. All programming questions should be answered using the Python programming language.
- 5. Electronic calculators are **NOT** allowed.
- 6. Start each question on a new page.

Question:	1	2	3	4	5	6	Total
Marks:	4	8	4	10	10	14	50



Say the number generated by the computer is 1038. An example interaction could look like this:

the number of guesses the user makes throughout the game and tell the user at

the end.

```
Welcome to the Cows and Bulls Game!
Enter a number:
>>> 1234
2 cows, 0 bulls
>>> 1256
1 cow, 1 bull
...
```

Until the user guesses the number.