if, else, for loops

06 February, 2023

Write the R code to answer the following questions. You have until the beginning of next class to answer all of the questions below and commit to GitHub, both the .Rmd file and the .pdf.

Question 1

Use a while loop to print every third number in $[1, 100]$.

```
# code here
```

Question 2

Write a for loop that will print the following pattern line-by-line in the R console printing integers up to 20, then back down.

- 1
- 1 2
- 1 2 3
- 1 2 3 . . . 19
- 1 2 3 . . . 19 20
- 1 2 3 . . . 19
- 1 2 3
- 1 2
- 1

```
# code here
```

Question 3

Write code to flip the coin ("H" and "T"), printing the flip to the console, until you get the same result three times in a row.

```
# code here
```