## Challenging topic in Intro to core concepts of computer science

## Loops and for loops

A for loop is used for iterating over a sequence (that is, either a list, a tuple, a dictionary, a set, or a string), for example, for x in "banana": print(x).

For loops are mostly used to iterate a known number of times, while loops are used when the number of times is not known.

A **break** statement can be used to end loops prematurely.

A **continue** statement is used to stop the loop at the current location and continue to the next item in the loop

```
fruits = ["apple", "banana", "cherry"]
for x in fruits:
  if x == "banana":
    continue
    print(x) .
```

The **range()** function defaults to increment the sequence by 1, however, it is possible to specify the increment value by adding a third parameter: range(2, 30, 3):

printnums (5, 3)