|  |
| --- |
|  |
| Section = '4.1' |
|  | print\_header(section) |
|  | guess\_me = 7 |
|  | if guess\_me < 7: |
|  | print("too low") |
|  | elif guess\_me > 7: |
|  | print("too high") |
|  | else: |
|  | print("just right") |
|  | print\_footer(section) |
|  |  |
|  |  |

2.

|  |
| --- |
|  |
|  |
|  | section = '4.2' |
|  | print\_header(section) |
|  | guess\_me = 7 |
|  | start = 1 |
|  |  |
|  | while True: |
|  | if start < guess\_me: |
|  | print('too low') |
|  | elif start == guess\_me: |
|  | print('found it!') |
|  | break |
|  | else: |
|  | print('oops') |
|  | break |
|  | start += 1 |
|  | print\_footer(section)  3.   |  | | --- | |  | | section = '4.3' | |  | print\_header(section) | |  | numbers = [3, 2, 1, 0] | |  | for num in numbers: | |  | print(num) | |  | print\_footer(section) | |  |  | |  |  |   4.   |  | | --- | | even\_numbers = [num for num in range(10) if num % 2 ==0] | |  | print(even\_numbers) | | 5.   |  | | --- | | limit = 10 | |  | squares = {num: num \* num for num in range(limit)} | |  | print(squares) | |  |   6.   |  | | --- | | print\_header(section) | |  | limit = 10 | |  | odd = {num for num in range(limit) if num % 2 == 1} | |  | print(odd) | |
|  |  |
|  |  |

7.

|  |
| --- |
| limit = 10 |
|  | string\_generator = ('Got ' + str(num) for num in range(limit)) |
|  | for item in string\_generator: |
|  | print(item) |

8.

|  |
| --- |
|  |
| def good(): |
|  | return ['Harry', 'Ron', 'Hermione'] |
|  |  |
|  |  |
|  | print(good()) |
|  | print\_footer(section) |
|  |  |

9.

|  |  |
| --- | --- |
|  | limit = 10 |
|  | get\_odds = (num for num in range(limit) if not num % 2 == 0) |
|  | count = 0 |
|  | for num in get\_odds: |
|  | if count == 2: |
|  | print(num) |
|  | break |
|  | count += 1 |

10.

|  |
| --- |
|  |
| class OopsException(Exception): |
|  | pass |
|  |  |
|  |  |
|  | def with\_exception(a): |
|  | if a < 0: |
|  | raise OopsException(a) |
|  |  |
|  |  |
|  | try: |
|  | with\_exception(-1) |
|  | except OopsException as err: |
|  | print('Caught an oops') |
|  |  |

11.

|  |
| --- |
| titles = ['Creature of Habit', 'Crewel Fate'] |
|  | plots = ['A nun turns into a monster', 'A haunted yarn shop'] |
|  |  |
|  | movies = {} |
|  | for title, plot in zip(titles, plots): |
|  | movies[title] = plot |
|  | # or movies = dict(zip(titles, plots)) |
|  | print(movies) |