<Lecture Title>

Summer 2020

<Lecturer> May 24, 2020

Content

- 1. A section, like a chapter
- 2. A section, like a chapter
- 3. A section, like a chapter
- 4. A section, like a chapter
- 5. A section, like a chapter
- 6. A section, like a chapter

Content

- 7. A section, like a chapter
- 8. A section, like a chapter
- 9. A section, like a chapter

Overview of this Lecture



1. A section, like a chapter

Some basic itemize

Some Subtitle



- A bullet point ✓
- A bullet point

An Image





Figure: This is a cat

Some basic Math



$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q} \tag{1}$$

Title of the Lecture Summer 2020

Manual Istlisting env

```
class Square():
1
       def __init__(self, sidelength = 1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4 * self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 1: A square class in Python

Manual Istinputlisting

```
class Square():
1
       def __init__(self, sidelength=1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4*self.length
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 2: Another square class in Python

Overview of this Lecture



2. A section, like a chapter

Some basic itemize

Some Subtitle



- A bullet point ✓
- A bullet point

An Image



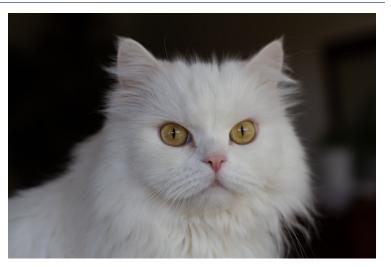


Figure: This is a cat

Some basic Math



$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q} \tag{2}$$

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Manual Istlisting env

```
class Square():
1
       def __init__(self, sidelength = 1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4 * self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
12
    q = Square(sidelength=25)
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 3: A square class in Python

Manual Istinputlisting

```
class Square():
1
       def __init__(self, sidelength=1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4*self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 4: Another square class in Python

Overview of this Lecture



3. A section, like a chapter

Some basic itemize

Some Subtitle



- A bullet point ✓
- A bullet point

An Image



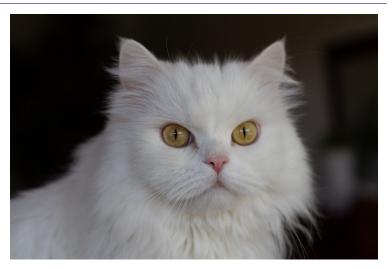


Figure: This is a cat

Some basic Math



$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q} \tag{3}$$

Manual Istlisting env

```
class Square():
1
       def __init__(self, sidelength = 1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4 * self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
12
    q = Square(sidelength=25)
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 5: A square class in Python

Manual Istinputlisting

```
class Square():
1
       def __init__(self, sidelength=1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4*self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 6: Another square class in Python

Overview of this Lecture



4. A section, like a chapter

Some basic itemize

Some Subtitle



- A bullet point ✓
- A bullet point

An Image



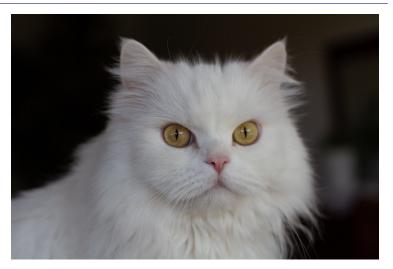


Figure: This is a cat

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Some basic Math



$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q}$$
 (4)

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print(q.calculate_area())

Manual Istlisting env

13

14

```
class Square():
1
       def __init__(self, sidelength = 1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4 * self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
12
    q = Square(sidelength=25)
    print(q.calculate_circumference())
```

Listing 7: A square class in Python

q = Square(sidelength=25)

print(q.calculate_area())

print(q.calculate_circumference())

Manual Istinputlisting

12

13

14

```
class Square():

def __init__(self, sidelength=1):
    self.length = sidelength

def calculate_circumference(self):
    return 4*self.length

def calculate_area(self):
    return self.length**2
```

Listing 8: Another square class in Python

Overview of this Lecture



5. A section, like a chapter

Some basic itemize

Some Subtitle



- A bullet point ✓
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An Image



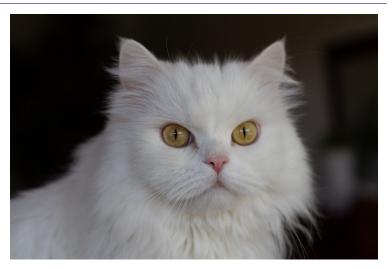


Figure: This is a cat

Some basic Math



$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q} \tag{5}$$

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Manual Istlisting env

```
class Square():
1
       def __init__(self, sidelength = 1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4 * self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
12
    q = Square(sidelength=25)
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 9: A square class in Python

Manual Istinputlisting

```
class Square():
1
       def __init__(self, sidelength=1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4*self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 10: Another square class in Python

Overview of this Lecture



6. A section, like a chapter

Some basic itemize

Some Subtitle



- A bullet point ✓
- A bullet point

An Image



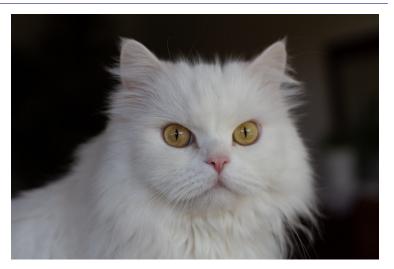


Figure: This is a cat

Some basic Math



$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q} \tag{6}$$

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Manual Istlisting env

```
class Square():
1
       def __init__(self, sidelength = 1):
3
          self.length = sidelength
5
       def calculate circumference(self):
6
          return 4 * self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 11: A square class in Python

Manual Istinputlisting

```
class Square():
1
       def __init__(self, sidelength=1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4*self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 12: Another square class in Python

Overview of this Lecture



7. A section, like a chapter

Some basic itemize

Some Subtitle



- A bullet point ✓
- A bullet point

An Image



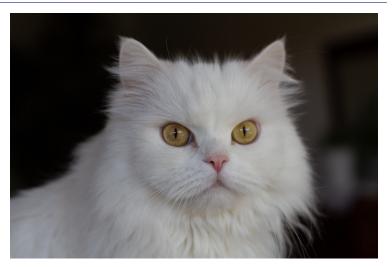


Figure: This is a cat

Some basic Math



$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q} \tag{7}$$

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q = Square(sidelength=25)

print(q.calculate_area())

print(q.calculate_circumference())

Manual Istlisting env

12

13

14

```
class Square():

def __init__(self, sidelength = 1):
    self.length = sidelength

def calculate_circumference(self):
    return 4 * self.length

def calculate_area(self):
    return self.length**2
```

Listing 13: A square class in Python

print(q.calculate_area())

14

Manual Istinputlisting

```
class Square():
1
       def __init__(self, sidelength=1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4*self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
```

Listing 14: Another square class in Python

Overview of this Lecture



8. A section, like a chapter

Some basic itemize

Some Subtitle



- A bullet point ✓
- A bullet point

An Image



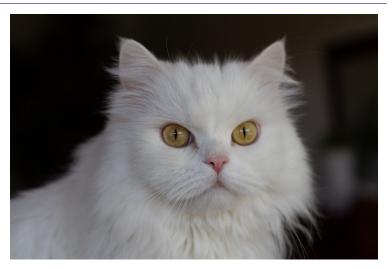


Figure: This is a cat

Some basic Math



$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q} \tag{8}$$

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print(q.calculate_circumference())

print(q.calculate_area())

Manual Istlisting env

13

14

```
class Square():
1
       def __init__(self, sidelength = 1):
3
          self.length = sidelength
5
       def calculate circumference(self):
6
          return 4 * self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
12
    q = Square(sidelength=25)
```

Listing 15: A square class in Python

Manual Istinputlisting

```
class Square():
1
       def __init__(self, sidelength=1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4*self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 16: Another square class in Python

Overview of this Lecture



9. A section, like a chapter

Some basic itemize

Some Subtitle



- A bullet point ✓
- A bullet point

An Image



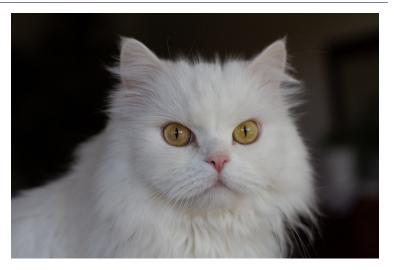


Figure: This is a cat

Some basic Math



$$x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q} \tag{9}$$

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Manual Istlisting env

```
class Square():
1
       def __init__(self, sidelength = 1):
3
          self.length = sidelength
5
       def calculate circumference(self):
6
          return 4 * self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
    print(q.calculate_area())
14
```

Listing 17: A square class in Python

print(q.calculate_area())

14

Manual Istinputlisting

```
class Square():
1
       def __init__(self, sidelength=1):
3
          self.length = sidelength
5
       def calculate_circumference(self):
6
          return 4*self.length
7
8
       def calculate_area(self):
          return self.length**2
10
11
    q = Square(sidelength=25)
12
    print(q.calculate_circumference())
13
```

Listing 18: Another square class in Python