

python_fundamentals_corrected

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1 Python Fundamentals Notebook

Welcome, Charlie! In this Jupyter notebook, you'll explore some of the fundamental concepts of Python programming including control flow, lists, loops, and functions. We'll go through mini-modules that include explanations, code examples, and exercises. By the end of this notebook, you'll be able to integrate all these concepts to solve a programming challenge. Let's dive in!

1.1 Control Flow

Control flow in Python uses `if`, `elif`, and `else` statements to allow for conditional execution of code segments. Control flow statements are a fundamental part of Python and are essential for decision-making in programming.

```
[ ]: x = 10
      if x > 0:
          print("x is positive")
      elif x < 0:
          print("x is negative")
      else:
          print("x is zero")
```

x is positive

1.1.1 Exercise: Control Flow

Write a control flow to check if a number is even or odd and print out an appropriate message.

```
[ ]: # Your solution here
```