
```
1  # Logical operators
2
3  # Prompt user for answer
4  c = int(input("Answer: "))
5
6  # Check answer
7  if c == "Y" or c == "y":
8      print("yes")
9  elif c == "N" or c == "n":
10     print("no")
```

```
1  # Conditions and relational operators
2
3  # Prompt user for x
4  x = int(input("x: "))
5
6  # Prompt user for y
7  y = int(input("y: "))
8
9  # Compare x and y
10 if x < y:
11     print("x is less than y")
12 elif x > y:
13     print("x is greater than y")
14 else:
15     print("x is equal to y")
```

```
1  # Opportunity for better design
2
3  print("cough")
4  print("cough")
5  print("cough")
```

```
1  # Abstraction with parameterization
2
3
4  def main():
5      cough(3)
6
7
8  def cough(n):
9      """Cough some number of times"""
10     for i in range(n):
11         print("cough")
12
13
14 if __name__ == "__main__":
15     main()
```

```
1  # Says hello to the world
2
3  print("hello, world")
```

```
1  # Floating-point imprecision
2
3  print(f"{1/10:.55f}")
```

```
1  # Generates a bar chart of three scores
2
3  # Get scores from user
4  score1 = int(input("Score 1: "))
5  score2 = int(input("Score 2: "))
6  score3 = int(input("Score 3: "))
7
8  # Generate first bar
9  print("Score 1: ", end="");
10 for i in range(score1):
11     print("#", end="")
12 print()
13
14 # Generate second bar
15 print("Score 2: ", end="");
16 for i in range(score2):
17     print("#", end="")
18 print()
19
20 # Generate third bar
21 print("Score 3: ", end="");
22 for i in range(score3):
23     print("#", end="")
24 print()
```