class RestaurantCheck:

def \_\_init\_\_(self, check\_number, sales\_tax\_percent, subtotal, table\_number, server\_name):

self.check\_number = check\_number

self.sales\_tax\_percent = sales\_tax\_percent

self.subtotal = subtotal

self.table\_number = table\_number

self.server\_name = server\_name

def calculate\_total(self):

# Calculate total by adding sales tax to the subtotal

sales\_tax\_amount = (self.sales\_tax\_percent / 100) \* self.subtotal

total = self.subtotal + sales\_tax\_amount

return total

def display\_check(self):

print(f"Check Number: {self.check\_number}")

print(f"Sales Tax Percent: {self.sales\_tax\_percent}%")

print(f"Subtotal: ${self.subtotal:.2f}")

print(f"Total: ${self.calculate\_total():.2f}")

print(f"Table Number: {self.table\_number}")

print(f"Server Name: {self.server\_name}")

def print\_check(self):

filename = f"check{self.check\_number}.txt"

with open(filename, 'w') as file:

file.write(f"Check Number: {self.check\_number}\n")

file.write(f"Sales Tax Percent: {self.sales\_tax\_percent}%\n")

file.write(f"Subtotal: ${self.subtotal:.2f}\n")

file.write(f"Total: ${self.calculate\_total():.2f}\n")

file.write(f"Table Number: {self.table\_number}\n")

file.write(f"Server Name: {self.server\_name}\n")

check = RestaurantCheck(check\_number=443, sales\_tax\_percent=6.0, subtotal=23.14, table\_number=17, server\_name="Sonic The Hedgehog")

check.display\_check()

check.print\_check()