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# I am creating a class to handle checkout confirmation information
class Customercheckout:
    """This is the class I am using to store checkout confirmation and room
    details."""

    # In this constructor, I define the attributes for checkout confirmation
    def __init__(self, confirmationid="", customername="", roomnumber="",
checkoutdate="", totalamount=0.0, extracharges=0.0, durationofstay=0):
        # These are my private attributes for storing checkout confirmation
        details
        self.__confirmationid = confirmationid
        self.__customername = customername
        self.__roomnumber = roomnumber
        self.__checkoutdate = checkoutdate
        self.__totalamount = totalamount
        self.__extracharges = extracharges
        self.__durationofstay = durationofstay

    # I use this method to get the confirmation ID
    def get_confirmationid(self):
        return self.__confirmationid

    # I use this method to get the customer name
    def get_customername(self):
        return self.__customername

    # This method helps me retrieve the room number
    def get_roomnumber(self):
        return self.__roomnumber

    # I use this method to get the checkout date
    def get_checkoutdate(self):
        return self.__checkoutdate

    # This method allows me to get the total amount
    def get_totalamount(self):
        return self.__totalamount

    # I use this method to get the extra charges
    def get_extracharges(self):
        return self.__extracharges

    # This method allows me to retrieve the duration of stay
    def get_durationofstay(self):
        return self.__durationofstay

    # I use this method to set or update the confirmation ID
    def set_confirmationid(self, confirmationid):
        self.__confirmationid = confirmationid

    # I use this method to set or update the customer name
    def set_customername(self, customername):
        self.__customername = customername
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# I use this method to set or update the room number
def set_roomnumber(self, roomnumber):
    self.__roomnumber = roomnumber

# This method allows me to set or update the checkout date
def set_checkoutdate(self, checkoutdate):
    self.__checkoutdate = checkoutdate

# I use this method to update the total amount
def set_totalamount(self, totalamount):
    self.__totalamount = totalamount

# I use this method to set or update the extra charges
def set_extracharges(self, extracharges):
    self.__extracharges = extracharges

# This method allows me to update the duration of stay
def set_durationofstay(self, durationofstay):
    self.__durationofstay = durationofstay

# I created this method to display the checkout confirmation details
neatly
def display_checkout_details(self):
    # I'm using f-strings here to format and display all the checkout
confirmation details
    print(f"Confirmation ID: {self.__confirmationid}")
    print(f"Customer Name: {self.__customername}")
    print(f"Room Number: {self.__roomnumber}")
    print(f"Checkout Date: {self.__checkoutdate}")
    print(f"Total Amount: {self.__totalamount}")
    print(f"Extra Charges: {self.__extracharges}")
    print(f"Duration of Stay: {self.__durationofstay}")

# Now, I create an object of the Customercheckout class with details for a
guest
checkout_info = Customercheckout(
    confirmationid="C12345",
    customername="Ahmad Ali",
    roomnumber="101",
    checkoutdate="2024-09-22",
    totalamount=500.00,
    extracharges=50.00,
    durationofstay=3
)

# I display the checkout confirmation details using the method I defined
earlier
checkout_info.display_checkout_details()

# I use the setter methods to update the confirmation ID and room number if
needed

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# For example, I'm changing the confirmation ID to "C54321" and the room
number to "102"
checkout_info.set_confirmationid("C54321")
checkout_info.set_roomnumber("102")

# I'm displaying the updated checkout confirmation details to confirm the
changes worked
print("\nUpdated Checkout Confirmation Details:")
checkout_info.display_checkout_details()
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