1,

Class PaymentMethod:

Def pay(self, amount):

Pass

Class CreditCard(PaymentMethod):

Def pay(self, amount):

Print(f”Paid {amount} using Credit Card.”)

Class PayPal(PaymentMethod):

Def pay(self, amount):

Print(f”Paid {amount} using PayPal.”)

Class UPI(PaymentMethod):

Def pay(self, amount):

Print(f”Paid {amount} using UPI.”)

Payment\_methods = [CreditCard(), PayPal(), UPI()]

Amount = 500

For method in payment\_methods:

Method.pay(amount)

2,

Def first\_duplicate(nums):

Seen = set()

For num in nums:

If num in seen:

Return num

Seen.add(num)

Return -1

Nums = [3, 1, 4, 2, 5, 3, 2]

Print(first\_duplicate(nums))