



Performance Task

c

1.

APCPS Project

```
1. #Input the inventory(Shoe name) and There retailed price
2. print("Hi everyone today, I will be presenting Jordan Retailled Price and their increase by the year")
3. #Find to total profit increase
4.
5. def calculate_price_increase(shoe_prices,percentage):
6.     updated_prices = []
7.     for price in shoe_prices:
8.         new_price = price *(1 + percentage)
9.         rounded_price = round(new_price)
10.        updated_prices.append(rounded_price)
11.    return updated_prices
12.
13. #Function to the print the names and prices of shoes in the inventory
14. def shoe_price(shoe_names, shoe_prices):
15.     for name, price in zip(shoe_names, shoe_prices):
16.         print(name + " :$" + str(price))
17.
18. #Shoe inventory data
19. shoe_names = ["Jordan 1","Jordan 3","Jordan 4","Jordan 5","Jordan 6","Jordan 9","Jordan 11"]
20. shoe_prices = [200,210,190,225,180,170,230]
21. #Display Inital Inventory
22. print("Inital Shoe Inventory:")
23. shoe_price(shoe_names, shoe_prices)
24.
25. #Prompt the user to enter the percentage increase
26. percentage_input =input("Enter the percentage increase(e.g., 10 or 20 etc): ")
27.
28. #Convert the user input to a float
29. percentage_increase = float(percentage_input)/100
30.
31. #Calculate update prices based on the percentage increase
32. updated_prices = calculate_price_increase(shoe_prices, percentage_increase)
33.
34. #Display the updated prices
35. print("Updated Shoe Prices after a " +(percentage_input)+"% increase:")
36. shoe_price(shoe_names, updated_prices)
```