*"""  
CP1404/CP5632 - Practical  
Pseudocode for temperature conversion  
"""*MENU = """C - Convert Celsius to Fahrenheit  
F - Convert Fahrenheit to Celsius  
Q - Quit"""  
  
print(MENU)  
choice = input(">>> ").upper()  
while choice != "Q":  
 if choice == "C":  
 celsius = float(input("Celsius: "))  
 fahrenheit = celsius \* 9.0 / 5 + 32  
 print("Result: {:.2f} F".format(fahrenheit))  
 elif choice == "F":  
 fahrenheit = float(input("Fahrenheit: "))  
 celsius = 5 / 9 \* (fahrenheit - 32)  
 print("Result: {:.2f} F".format(celsius))  
 else:  
 print("Invalid option")  
 print(MENU)  
 choice = input(">>> ").upper()  
print("Thank you.")

*"""  
Program to calculate and display a user's bonus based on sales.  
If sales are under $1,000, the user gets a 10% bonus.  
If sales are $1,000 or over, the bonus is 15%.  
"""*"""  
Initial Program  
"""  
  
sales = float(input("Enter sales: $"))  
  
if sales < 1000:  
 bonus = sales \* 0.10  
  
elif sales >= 1000:  
 bonus = sales \* 0.15  
  
print("bonus:", bonus)  
  
  
"""  
Loop version  
"""  
  
sales = float(input("Enter sales: $"))  
  
while sales >= 0:  
 if sales < 1000:  
 bonus = sales \* 0.10  
  
 elif sales >= 1000:  
 bonus = sales \* 0.15  
  
 print("bonus:", bonus)  
 sales = float(input("Enter sales: $"))

*"""  
first loop  
"""*for i in range(1, 21, 2):  
 print(i, end=' ')  
print()  
  
"""  
second loop  
"""  
  
for j in range(0, 100, 10):  
 print(j, end=' ')  
print()  
  
"""  
third loop  
"""  
  
for i in range(20, 0, -1):  
 print(i, end=' ')  
print()  
  
"""  
fourth loop  
"""  
stars = int(input("Number of stars: "))  
for j in range(stars):  
 print('\*', end=' ')  
print()  
  
"""  
fifth loop  
"""  
stars = int(input("Number of stars: "))  
for i in range(1, stars + 1):  
 print('\*' \* i)  
print()

list\_of\_prices = []  
items = int(input("Number of items: "))  
  
while True:  
 if items > 0:  
 for i in range(items):  
 price = float(input("Price of item: "))  
 list\_of\_prices.append(price)  
 print('Total price for', items, 'item(s) is: ', sum(list\_of\_prices))  
 break  
 else:  
 print('invalid')  
 items = int(input("Number of items: "))

*"""  
CP1404/CP5632 - Practical  
Broken program to determine score status  
"""*score = float(input("Enter score: "))  
if score < 0 or score > 100:  
 print("Invalid score")  
elif score >= 50:  
 print("Passable")  
elif score >= 90:  
 print("Excellent")  
else:  
 print("Bad")