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# excercies on operators, expressions and if conditions

#1. wriet a program to calc discount on a product

original_price = 100
discount = 10
final_price = original_price - (original_price * discount / 100)
print(f"Final price after discount is {final_price}")

#second way with easier expression
final_price = original_price * 0.9
print(f"Final price after discount is {final_price}")

#2. write a code to check if a number is even or odd
num = input("Enter a number: ")
num = int(num)
if num % 2 == 0:
    print("Number is even")
else:
    print("Number is odd")

#3. write a code to check if a number is positive or negative

num = input("Enter a number: ")
num = int(num)
if num > 0:
    print("Number is positive")
else:
    print("Number is negative")

#4. Grading System
marks = input("Enter marks: ")
marks = int(marks)

if marks >= 90:
    print("Grade A")
elif marks >= 80:
    print("Grade B")
elif marks >= 70:
    print("Grade C")
elif marks >= 60:
    print("Grade D")
else:
    print("Grade F")

#5. temperature checker in celsius
temp = input("Enter temperature in celsius: ")
temp = int(temp)

if temp > 35:
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    print("It's too hot")  
elif temp > 25:  
    print("It's warm")  
else:  
    print("It's cold")
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