**func** c2f\_1(c : Double) -> Double{

**var** f : Double

f = 1.8 \* c + 32

**return** f

}

**func** c2f\_2(**\_** c : Double) -> Double{

**return** 1.8 \* c + 32

}

**func** f2c(f : Double) -> Double{

**return** (f - 32) / 1.8

}

**func** rectangle\_area(w:Double, l:Double) -> Double{

**return** w \* l

}

**func** rectangle\_perimeter(w:Double, l:Double) -> Double{

**return** (w + l) \* 2

}

**func** factorial(num:Int) -> Int{

**var** f : Int = 1

**for** n **in** 1 ... num{

f \*= n

}

**return** f

}

**func** even\_odd(num:Int) -> Bool{

**if**(num % 2 == 0){

**return** **true**

}

**else**{

**return** **false**

}

}

print("Celsius temperature equivalent to 37.77: ",c2f\_1(c: 37.77))

print("Celsius temperature equivalent to 37.77: ",c2f\_2(37.77))

print("Fahrenhiet temperature equivalent to 100: ",f2c(f : 100))

print("Rectangle Area: ",rectangle\_area(w: 5, l: 8))

print("factorial of 4: ", factorial(num: 4))

**var** num = 10

**if**(even\_odd(num: 10) == **true**){

print(num, "is an even number")

}

**else**{

print(num, "is an odd number")

}

num = 9

**if**(even\_odd(num: 9) == **true**){

print(num, "is an even number")

}

**else**{

print(num, "is an odd number")

}