DAY 13

DEBUGGING: HOW TO FIND AND FIX ERRORS IN YOU CODE

1. Describe the problem - Write your answers as comments

2. Reproduce the error.

3. Play the computer and go through the code line by line.

4. Fix the errors.

Using try-exception method

EXAMPLE:

try:  
 age = int(input("How old are you?"))  
except ValueError:  
 print("numerical value needed.")  
 age = int(input("How old are you?"))  
if age > 18:  
 print(f"You can drive at age {age}.")

In the above example, the code works fine without the try-except when the user types a numerical input. Still, if the entered value is something like “twelve,” then it generates a value error, so to solve this, we use the try-except block.

5. use print() statement.

6. use a debugger().

LEAP YEAR CONDITION:

 Every year divisible by 4 is a potential leap year.

 If it's divisible by 100, it's not a leap year **unless** it’s also divisible by 400, in which case it is a leap year.

def is\_leap(year):

if year % 4 == 0:

if year % 100 == 0:

if year % 400 == 0:

return True

else:

return False

else:

return True

else:

return False