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Description: Pseudocode for Lab exercise 1

Day of Week:

days = [Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday]

day\_number = not number

while day\_number is not a number or is not between 1 and 7:

Ask user to enter a number between 1 and 7

day\_number = user input

if day\_number is a number:

if day\_number is not between 1 and 7:

tell user the number is not between 1 and 7

if day\_number is not a number:

tell user the input is not a number between 1 and 7

convert the day number to day name

tell the user the day number is day name

Nutrition:

fat grams = Ask user how many grams of fat

carb grams = Ask user how many grams of carbs

fat calories = fat grams \* 9

carb calories = carb grams \* 9

tell the user how many calories are from fat

tell the user how many calories are from carbs

Paint Job:

Sqft = ask the user how many feet of wall to paint

Paint price = ask the user how much a gallon of paint costs

Gallons of paint = sqft / 112

Hours of labor = sqft / 112 \* 8

Paint cost = gallons of paint \* paint price

Labor cost = hours of labor \* 35

Total cost = paint cost + labor cost

Tell user how many gallons of paint are needed

Tell user how many hours of labor are needed

Tell user how much the paint costs

Tell user how much the labor costs

Tell user the total cost

Rain:

data = []

highest month = none

lowest month = none

for each of 12 months:

ask the user the rainfall for the month then add to data

if the rainfall for that month is lower than lowest month, or lowest month is not set:

update lowest month to that month

if the rainfall for that month is higher than highest month, or highest month is not set:

update highest month to that month

total = sum of all months rainfall

average = total / number of months

tell user how much total rainfall there was

tell user the average monthly rainfall

tell user the highest rainfall

tell user the lowest rainfall