**Problem:**

Develop a simple program in Java that will interact with the user through some dialog. It will ask the user for his/her name and the number of steps taken in a 10 second interval. The program will then calculate the number of steps per minute, hour, day (18 hours assuming 6 hours for sleep) and a year. The program will then calculate the number of steps, feet and miles traveled during a 20 year time span. This information will then be neatly displayed to the user.

**Algorithm:**

-import scanner

-declare constants

-declare variables

-Introduce myself and prompt user for their name

-Greet the user and ask how many steps they take in a 10 second time interval

Calculations

-Calculate steps per minute by multiplying user steps by (60 seconds divided by time interval)

-Calculate steps per hour by multiplying minutes in hour by steps per minute

-Calculate steps per day by multiplying steps per hour by hours in a day

-Calculate steps per year by multiplying steps per day by year length

-Calculate steps over time by multiplying steps per year by number of years

-Calculate feet traveled by multiplying steps over time by step length

-Calculate miles traveled by dividing feet traveled by feet in a mile

-Display the calculated information to the user in a readable format