1)

USPop = 325766246

USnew = USPop + (31536000 / 8) + (31536000 / 33)

UStotal = USnew – (31536000 / 12) = 328035883

Print “In one year the US population will be” UStotal

2)

Print “How many Seconds?”

Input Seconds

Days = Seconds / 86400

SecondsB = Seconds % 86400

Hours = SecondsB / 3600

SecondsC = SecondsB % 3600

Minutes = SecondsC / 60

SecondsD = Seconds C % 60

Print “The time is ” Days “days, ” Hours “hours, ” Minutes “minutes, and ” SecondsB “seconds”

3)

Print “What is the temperature in degrees Fahrenheit?”

Input Fahrenheit

Celsius = (Fahrenheit - 32) \* (5/9)

Print “It is currently” Celsius “degrees Celsius”

4)

Print “Enter a number between 1 and 10”

Input Number

If number is not between 1 and 10

Then stop

Then return to line 1

If number is between 1 and 10

Then Print number

5)

Print “What is your car’s miles per gallon?”

Input mpg

If mpg > 50

Then Print “Nice Job”

If 25 <= mpg <= 50

Then Print “Not great, but ok”

If mpg < 25

Then Print “So bad, so very, very bad”

6)

Print “Choose: \n Fight the villain \n Save the citizen \n Return to Secret Base”

Input decision

If decision = Fight the villain

Then Print “You win!”

Then return line 1

If decision = Save the citizen

Then Print “You saved the citizen”

Then return line 1

If decision = Return to Secret Base

Then Print “Who will save the world?”

Then stop

7)

Detect tile color

If color = white

Then move forward one

Then detect new tile color

If color = blue

Then turn left

Then move forward one

Then detect new tile color

If color = green

Then turn right

Then move forward one

Then detect new tile color

If color = black

Then turn left

Then turn left

Then move forward two

Then detect new tile color

If color = yellow

Then stop

Print “Game Over”