1.
Population = 328,441,687
Time = 31536000 second
Birth = Time / 8 (31536000 / 8 = 3942000)
Death = Time / 12 (31536000 / 12 =2628000)
Immigrant = Time / 27 (31536000 / 27 = 1168000)
Population = Population(328441687) + Birth(3942000) – Death(2628000) + Immigrant(1168000)
output(Population(330,923,687))

2.
Time = input ("Pick a number between 0 to 1,000,000 seconds")
W = floor (Time/ 86400)
X = floor ((Time – 86400 * W) / 3600)
Y = floor ((Time – 86400 * W – 3600 * X) / 60))
Z = (Time – 86400 * W – 3600 * X – 60 * Y)
output(W days, X hours, Y minutes, and Z seconds)

3.
Fahrenheit = input ("What is the temperature in Fahrenheit degrees?")
Celsius = (F – 32) * (5/9)
output(Celsius)

4.
Number = input ("Pick a number between 1 and 10")
if Number is not between 1 and 10
            output("The number is not between 1 and 10")
            Number = input ("Pick a number again between 1 and 10")
else
            output(Number)

5.
Pick = input ("Choose your adventure! 1. Fight the villain 2. Save the citizen 3. Return to secret base")
if Pick is 1
            output("You win!")
      Pick = input "(Choose your adventure! 1. Fight the villain 2. Save the citizen 3. Return to secret base")
       else if Pick is 2
      output("You saved the citizen")
      Pick = input ("Choose your adventure! 1. Fight the villain 2. Save the citizen 3. Return to secret base")
else if Pick is 3
      output("Who will save the world?")

6A.

month	College	interest	Balance
0	0	0	10000
1	500	10000 * .005 = 50	10000 - 500 + 50 = 9550
2	500	9550 * .005 = 47.75	9550 – 500 + 47.75 = 9097.75
3	500	9097.75 * .005 = 45.49	9097.75 – 500 + 45.49 = 8643.24
4	500	8643.24 * .005 = 43.22	8643.24 – 500 + 43.22 = 8186.46
5	500	8186.46 * .005 = 40.93	8186.46 – 500 + 40.93 = 7727.39

Balance = 10000
Interest = 0.005 (per month)
College = 500
Month = 0
while balance is more than 0
        Month = Month + 1
        Interest = Balance * .005
        Balance = Balance – College + Interest
if balance is less than 500
        Year = Month / 12
    output(Year)

6B.
Balance = input
Interest = input
Expense = input
Month = 0
while balance is more than 0
        Month = Month + 1
        Interest = Balance * Interest
        Balance = Balance – Expense + Interest
if balance is less than Expense
        Year = Month / 12
        output(Year)