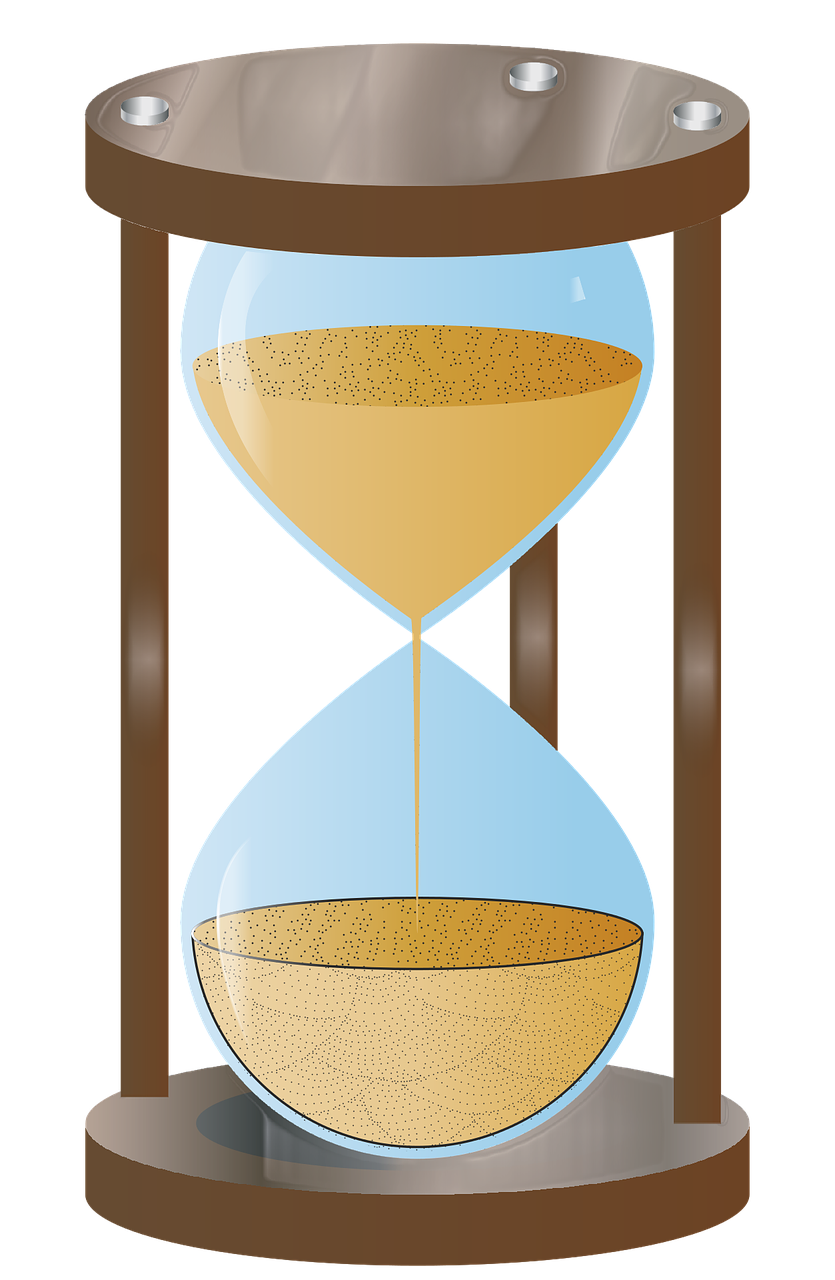
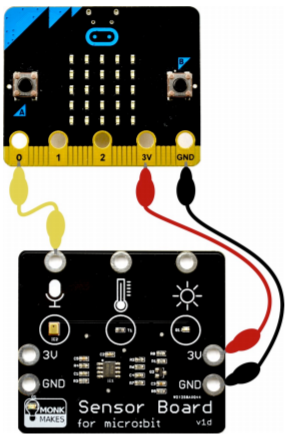
Plenary – questions

Q1. What data type would python assign to this input: x = ‘jupiter’

1. floating point
2. integer
3. string
4. boolean

Q2. What command do you need to apply to cast x as a whole number?

1. int(x)
2. integer(x)
3. whole(x)
4. decimal(x)



Q3. What would the output be for this code be:

x=44.4

y=38

print(x+y)

1. 82
2. Eight two point four
3. 82.4
4. 44.4

Q4. Which one of the following statements is true?

1. Implicit type conversion is automatically performed by the python interpreter
2. You always need to specify a data type when you create a variable
3. You just need to specify a data type if you want it to be a float
4. Implicit type conversion is when the programmer specifies the data type

Q5. Which of the following statements is true?:

1. Once a variable has been set as a particular data type that cannot change
2. The data type of a variable can only change once
3. Explicit Type Conversion is automatically performed by the python interpreter
4. Explicit Type Conversion is also called Type Casting, the data types of objects are converted using predefined functions by the user.

Q6. What would be the output for this:

x = 2.6

print (int(x))

1. 2.6
2. ‘2.6’
3. 3
4. 2

Q7. Which of the following statements is true?

1. In Type Casting, loss of data may occur as we enforce the object to a specific data type
2. In Type Casting data is always protected
3. In Type Casting data can also be added to (or increased in size) as numbers are rounded up
4. In Type Casting a string cannot become an integer

Q8. What would be the output after this code:

num\_int = 22

num\_str = "44"

print("Data type of num\_int:",type(num\_int))

print("Data type of num\_str:",type(num\_str))

print(num\_int+num\_str)

1. Error message meaning….one of the variables is not a data type that can be added
2. 22 + 44
3. 66
4. 22

Q9. How could you add a number which is currently cast as a string to an integer?

1. You need to cast the string as a float or an integer
2. You need to cast them both as strings
3. You can’t
4. You need to cast them both as floats

Q10. What does the MonkMakes slider do?

1. It converts a voltage level into a digital value that can be stored and processed in a computer
2. It converts electricity into a data for the computer
3. It allows you to interact with your micro:bit by sliding it left and right
4. Without any programming it permits you to turn the micro:bit on and off