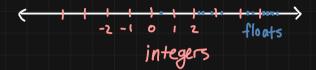


Basic Types:

Day 1



Strings: "hello123!"

Nonetype: None

Booleans: True

False

Variables

Virtual world

X = 1.3 y = "elephant" 2 = 9

Python

y < "elephant" Z <

X <- 1.3

Conditionals

X = -1 if X<O: X = -X print (x)

X=-1 X<0? print(x)

Day Z

```
X = - (
     if x<0:
                                            X<0?
       print ("Negative")
                                      True
      print ("Not regative")
                                   "Negative"
                                                 "Not regative"
                                           X = -1
    if x<0:
                                           X<0?
      print ("Negative")
* elif x70
                                     "Negative"
                                                 X70?
      print (" Positive")
   else:
      print (" Zero")
                                          X 20?
   if XZO:
     print ("Non-negative")
                                           X70?
     print (" positive")
                                     "Positive"
```

Indexing / Slicing

#ell

Lists

)	2	"blue"	-7.8	None
0	ι	2	3	4
-5	-4	-3	-2	-1

$$a \leftarrow \sqrt{1}$$

Tuples

Can't append like with lists because tuples are IMMUTABLE.

Instead, we create a whole new typie!

Sets

$$my-set = \{1,2,3\}$$
 $my-set.add("a") +$
 $my-set.add(1)$ doesn't do anything:

Dictionaries

