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| Data Type | Definition | Value | Examples |
| Strings | Strings hold a collection of characters, such as sentences | “string” | A screenshot of a computer  Description automatically generated with medium confidenceText  Description automatically generated |
| Integer | A whole number. Unsigned can only be positive (or 0) while signed can be negative as well. The bit value of an integer specifies how big it can be, as in how many bits can be stored in it | 26 | A screenshot of a computer  Description automatically generated with medium confidence  Text  Description automatically generated with medium confidence |
| Array | Also known as lists, arrays store groups of data as lists. Normally, the data types of the values inside the array are the same, but they can be different too. | [“hello”, “my”, “name”, “is”, “garv”] | A screenshot of a computer  Description automatically generated with medium confidence  A screenshot of a computer  Description automatically generated with medium confidence |
| Map | A map, dict, or associative array is an abstract data type that creates an association between two pieces of data. For example, you could search up a username and get the associated password. | {"key1": "value1", "key2": "value2", "key3": "value3"} | A screenshot of a computer  Description automatically generated with medium confidence  A screenshot of a computer  Description automatically generated with medium confidence |
| Boolean | A true or false value, which can also be represented by 0 or 1. Basically has 2 states | true | A screenshot of a computer  Description automatically generated  A screenshot of a computer  Description automatically generated with medium confidence |
| Floating Point Number | It’s a decimal. Like an int, but has a decimal at the end | 10.2 | A screenshot of a computer  Description automatically generated  A screenshot of a computer  Description automatically generated |
| Characters | Like a string, but made up of a single character. Strings are made up of characters | “a” | Don’t think python has chars |
| Tuple | A list, but immutable and fixed in size, it’s faster if u don’t want to change it | (“hello”, “my”, “name”, “is”, “garv”) | A list but with () instead of [] |