UI Python Libraries and Frameworks:

Textual, PyScript, PyVibe, Tkinter, Kivy, wxPython

Langs that are both typed and untyped (Gradually typed):

Typescript, Dart, Racket

Langs that support garbage collection:

RPL, Java, C#, D, Go

C++ 2023 features:

1. static_assert (false) in templates
2. De-deprecating volatile compound operations
3. Relaxing constexpr restrictions
4. Extended floating-point types
5. Simpler implicit move
6. Equality operator fix
7. Portable assumptions

Assembly Usage:

Part of coding operating systems (Direct Hardware manipulation)

Device drivers

Low-level embedded systems

Real-time systems

Infinite for loop:

```
my_list = [0]
for i in my_list:
    print(i)
    my_list.append(i+1)
```

Framework that makes mobile apps like flutter:

Kivy

How to make multimap in python:

```
from collections import defaultdict

# create a defaultdict with list as the default factory
my_multimap = defaultdict(list)

# add some values to the multimap
my_multimap['key1'].append('value1')
my_multimap['key1'].append('value2')
my_multimap['key2'].append('value3')

# print the multimap
print(my_multimap)
```

{You can use a dictionary to store multiple values for a key. However, if you try to append a value to a key that doesn't exist yet, you'll get a KeyError. Using a defaultdict ensures that you can append values to any key without having to check if the key exists first.}

What is a hashmap:

A hashmap is a data structure that stores key-value pairs. It uses a hash function to compute an index into an array of buckets or slots, from which the desired value can be found. In Python, the equivalent data structure is called a dictionary.