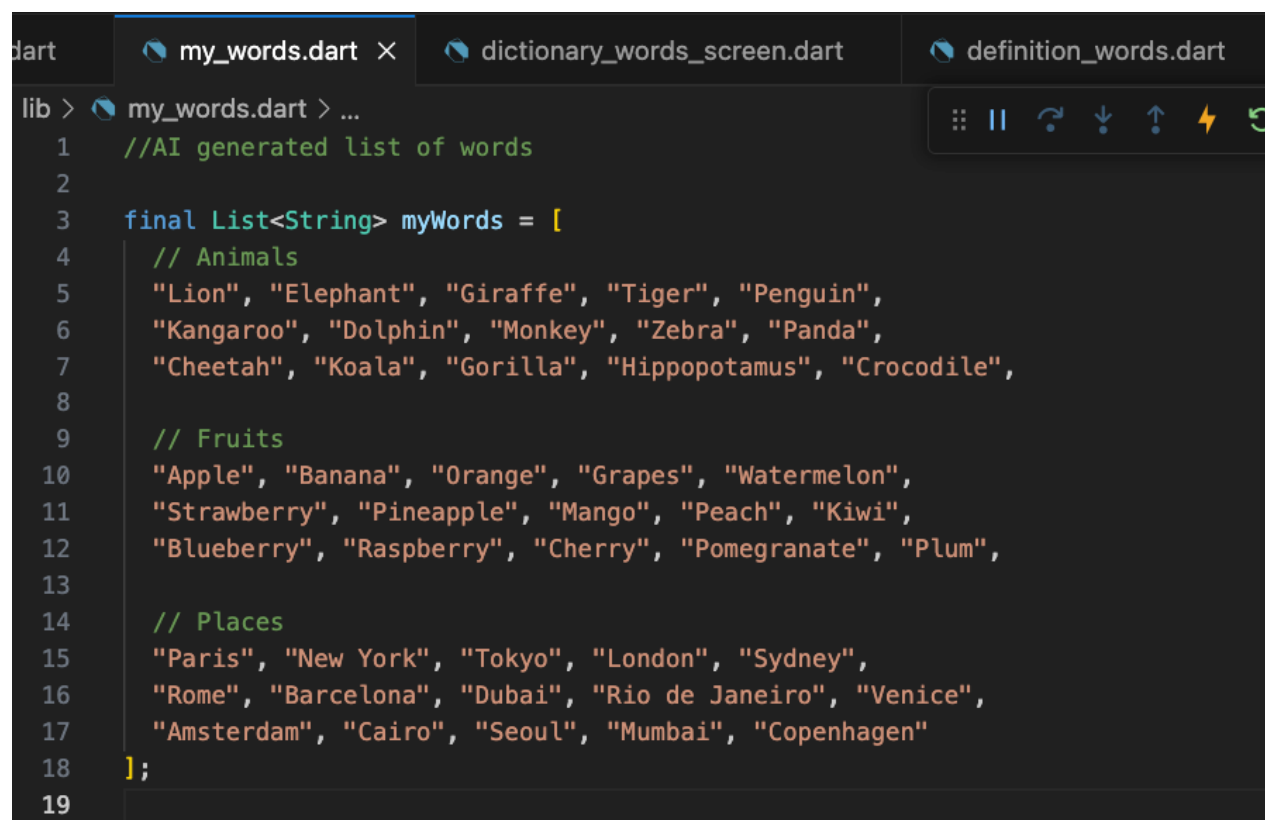


Mohammad Ali

## Lab 1 – Flutter/Dart Tutorial

- What Color did you choose?
  - Word Pair Generator page: **Red**
  - Saved Word Pair page: **Orange**
  - Dictionary page: **Green**
  - Word Definition page: **Yellow**
- What Icon did you choose?
  - Check in a circle icon; turns **blue** once pressed.
  - List icon on main page app bar; navigates to the saved word pair page.
  - Book icon on main page app bar; navigates to the dictionary part of app.
- Your Word list that you imported in

A screenshot of an IDE window showing three tabs: 'my\_words.dart', 'dictionary\_words\_screen.dart', and 'definition\_words.dart'. The 'my\_words.dart' tab is active, displaying Dart code. The code defines a list of words categorized by Animals, Fruits, and Places. The code is as follows:

```
lib > my_words.dart > ...
1 //AI generated list of words
2
3 final List<String> myWords = [
4   // Animals
5   "Lion", "Elephant", "Giraffe", "Tiger", "Penguin",
6   "Kangaroo", "Dolphin", "Monkey", "Zebra", "Panda",
7   "Cheetah", "Koala", "Gorilla", "Hippopotamus", "Crocodile",
8
9   // Fruits
10  "Apple", "Banana", "Orange", "Grapes", "Watermelon",
11  "Strawberry", "Pineapple", "Mango", "Peach", "Kiwi",
12  "Blueberry", "Raspberry", "Cherry", "Pomegranate", "Plum",
13
14  // Places
15  "Paris", "New York", "Tokyo", "London", "Sydney",
16  "Rome", "Barcelona", "Dubai", "Rio de Janeiro", "Venice",
17  "Amsterdam", "Cairo", "Seoul", "Mumbai", "Copenhagen"
18 ];
19
```

- Extra Credit - Input list of definitions

```

lib > definition_words.dart > ...
1  //AI generated list of {word: definition}
2
3  final List<Map<String, String>> definitionWords = [
4      {'Lion': 'A large carnivorous feline mammal'},
5      {'Elephant': 'A large herbivorous mammal with a trunk'},
6      {'Flutter': 'A UI toolkit for building natively compiled applications'},
7      {'Dart': 'A programming language optimized for building mobile, desktop, server, and web applications'},
8      {'Mountain': 'A large natural elevation of the Earth\'s surface rising abruptly from the surrounding
9          level; a large steep hill'},
10     {'Ocean': 'A vast expanse of saltwater that covers most of the Earth\'s surface'},
11     {'Sunflower': 'A tall North American plant of the daisy family, with very large golden-rayed flowers'},
12     {'Eclipse': 'An obscuring of the light from one celestial body by the passage of another between it and
13         the observer or between it and its source of illumination'},
14     {'Galaxy': 'A system of millions or billions of stars, together with gas and dust, held together by
15         gravitational attraction'},
16     {'Rainbow': 'An arc of spectral colors, usually identified as red, orange, yellow, green, blue, indigo,
17         and violet, that appears in the sky opposite the sun as a result of the refractive dispersion of
18         sunlight in drops of rain or mist'},
19     {'Innovation': 'The action or process of innovating; a new method, idea, product, etc.'},
20     {'Ecosystem': 'A biological community of interacting organisms and their physical environment'},
21     {'Magnet': 'A piece of iron (or an ore, alloy, or other material) that has its component atoms so
22         ordered that the material exhibits properties of magnetism'},
23     {'Universe': 'All existing matter and space considered as a whole; the cosmos'},
24     {'Robot': 'A machine capable of carrying out a complex series of actions automatically, especially one
25         programmable by a computer'},
26     {'Whale': 'A very large marine mammal with a streamlined hairless body, a horizontal tail fin, and a
27         blowhole on top of the head for breathing'},
28     {'Piano': 'A large keyboard musical instrument with a wooden case enclosing a soundboard and metal
29         strings, which are struck by hammers when the keys are depressed'},
30     {'Satellite': 'An artificial body placed in orbit around the earth or moon or another planet in order
31         to collect information or for communication'},
32     {'Microscope': 'An optical instrument used for viewing very small objects, such as mineral samples or
33         animal or plant cells, typically magnified several hundred times'},
34     {'Crescent': 'The curved sickle shape of the waxing or waning moon'},
35     {'Giraffe': 'A large African mammal with a very long neck and forelegs, having a coat patterned with
36         brown patches separated by lighter lines'},
37     {'Pyramid': 'A structure with a square or triangular base and four triangular sides, built as a tomb or
38         memorial'},
39     {'Velocity': 'The speed of something in a given direction'},
40     {'Equator': 'An imaginary line drawn around the earth equally distant from both poles, dividing the
41         earth into northern and southern hemispheres'},
42     {'Vitamin': 'Any of a group of organic compounds that are essential for normal growth and nutrition and
43         are required in small quantities in the diet because they cannot be synthesized by the body'},
44     {'Fossil': 'The remains or impression of a prehistoric organism preserved in petrified form or as a
45         mold or cast in rock'},
46     {'Telescope': 'An optical instrument with lenses and sometimes mirrors, used to observe distant
47         objects'},
48     {'Astronomy': 'The branch of science that deals with celestial objects, space, and the physical
49         universe as a whole'},
50     {'Harmony': 'The combination of simultaneously sounded musical notes to produce a pleasing effect'},
51     {'Tornado': 'A mobile, destructive vortex of violently rotating winds having the appearance of a
52         funnel-shaped cloud and advancing beneath a large storm system'},
53     {'Monarchy': 'A form of government with a monarch at the head'},
54     {'Pluto': 'A celestial body that was formerly considered the ninth planet from the sun in our solar
55         system but was reclassified as a "dwarf planet" in 2006'},
56     // Add more word-definition pairs as needed
57 ];
58

```

- Screenshots of working app (at least 3)

