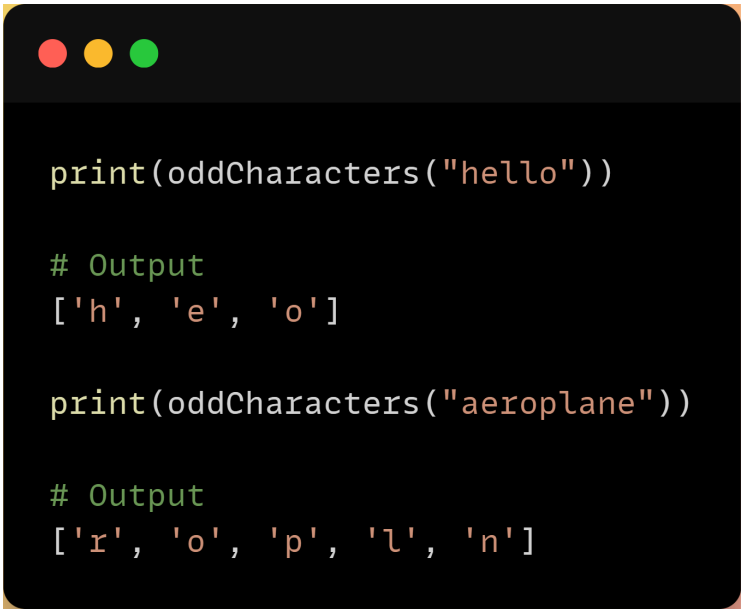
HARD CONTEST WEEK 5

Q1. Create a function named **oddCharacters** which takes a string as a parameter. Now return a **list of characters** which appears odd times in that string.



```
print(oddCharacters("hello"))

# Output
['h', 'e', 'o']

print(oddCharacters("aeroplane"))

# Output
['r', 'o', 'p', 'l', 'n']
```

Q2. Create a function named **arrangeChars** which takes a string as a parameter. Now return a string with max frequency chars at start.

```
print(arrangeChars("aaeroplane"))

# Output
aaaeeropln

print(arrangeChars("heellllllooo"))

# Output
lllllooooeeh
```

Q3. Given a string S, containing numeric words, the task is to convert the given string to the actual number.

Input: S = “zero four zero one”
Output: 0401

Input: S = “four zero one four”
Output: 4014

Q4. Convert Snake case to Pascal case.

Input: python_is_great
Output: PythonIsGreat

Input: we_are_learning_python_programming
Output: WeAreLearningPythonProgramming

Q5. Write a Python program to capitalize the first and last letters of each word in a given string.

Input: python is a great language
Output: PythoN ExerciseS PracticE SolutioN

Input: delhi is best city with 0 AQI
Output: DelhI IS BesT CitY WitH 0 AqI

Q6. Write a Python program to generate two strings from a given string. For the first string, use the characters that occur only once, and for the second, use the characters that occur multiple times in the said string.

Input: aabbcceffgh
Output
string1 = egh
string2 = abcf

Input: heello
Output
string1 = ho
string2 = el

Q7. Convert a list of Tuples into Dictionary

Input: [("akash", 10), ("gaurav", 12), ("anand", 14), ("suraj", 20), ("akhil", 25), ("ashish", 30)]
Output: {'akash': [10], 'gaurav': [12], 'anand': [14], 'ashish': [30], 'akhil': [25], 'suraj': [20]}

Input: [('A', 1), ('B', 2), ('C', 3)]
Output: {'B': [2], 'A': [1], 'C': [3]}