ANDROID

1. What is the value of String number after the following code snippet:

SharedPreferences pref = getApplicationContext().getSharedPreferences("MyPref", MODE\_PRIVATE);

Editor editor = pref.edit();

editor.putString("1", "2");

editor.putString("3", "4");

String number = pref.getString("2", "3");

1. Which of these methods are called when the screen changes orientation from portrait to landscape in Android?
   1. onCreate()
   2. onStop()
   3. onRestart()
   4. onActivityResult()
   5. onRestoreInstanceState()

CODING

1. Palindrome

A palindrome is a word that reads the same backward or forward. Write a function that checks if a given word is a palindrome. Character case should be ignored.

For example, isPalindrome("Deleveled") should return true as character case should be ignored, resulting in "deleveled", which is a palindrome since it reads the same backward and forward.

1. Group by Owners

Implement a *group\_by\_owners* function that:

* Accepts a dictionary containing the file owner name for each file name.
* Returns a dictionary containing a list of file names for each owner name, in any order.

For example, for dictionary *{'Input.txt': 'Randy', 'Code.py': 'Stan', 'Output.txt': 'Randy'}* the *group\_by\_owners* function should return *{'Randy': ['Input.txt', 'Output.txt'], 'Stan': ['Code.py']}*.