

## Class 5

1. Write a program with the following:
  - Array of strings with 3 names.
  - Change the second name.
  - Print the third name.
  
2. Write a program with the following:
  - Create a class Dog with 3 variables, constructors, setters and getters.
  - In Main.class create 2 instances of Dog with different values.
  - Add dogs to ArrayList and print one of the dogs values.
  - Remove both dogs from ArrayList and print list size.
  
3. Write a program with the following:
  - Create an ArrayList with 3 strings
  - Iterate the ArrayList and print the second String only.
  
4. Write a program with the following:
  - Create an array with 6 integers (any!)
  - Calculate and print the average of all the numbers in the array.

5. What will be the below program output?

```
public class Main {  
    public static void main(String[] args) {  
        Set<String> hash_Set = new HashSet<String>();  
        hash_Set.add("hello");  
        hash_Set.add("hello");  
        hash_Set.add("hello");  
        hash_Set.add("hello");  
        hash_Set.add("hello");  
        Iterator<String> value = hash_Set.iterator();  
        while (value.hasNext()) {  
            System.out.println(value.next());  
        }  
    }  
}
```

6.

- Create a HashMap object name it users
- Add 3 pairs of users and passwords
- Print all users password

7.

- Create an ENUM with the 4 seasons
  - Ask user for an number input between 1-4
  - Print a different season for each number
- e.g: user choose 1 → print summer, user choose 2 → print winter etc.
- \*\* Order does not matters.**

8. Is this code valid?

```
private void getX(var x) {  
    System.out.println(x);  
}
```

Challenges:

9. Write a program with the following:

- An array with 5 integers (any numbers)
- Check if number 67 exist in the array

10. In HashMap which method is used for checking if a key exists?