

Chapter 4 review questions

1.Explain the difference b/t == and 'equal'

== Compares reference equality for objects while equals() Compares content equality for objects.

2: Name 3 types of loops in Java

For loop, while-loop and do-while loop

3: What's if-else v.s switch statements?

if-else is used for conditional branching based on ranges or boolean expressions. Switch statements is used for branching based on fixed values (e.g., int, char, String).

4: What is 'public', 'default' and 'private' in Java?

public: Accessible from anywhere. default (no modifier): Accessible within the same package. private: Accessible only within the same class.

5: What's an array? Give 3 arrays of different data types.

An array is a collection of elements of the same data type, stored in contiguous memory locations. Integer, string and boolean

6: What is algorithm? An algorithm is a step-by-step procedure or formula for solving a problem or performing a task.

7: What is data structure? Give 3 examples.

A data structure is a way of organizing, managing, and storing data for efficient access and modification.

Array, HashMap and linked list