Chapter 15 Advance java 1 Collection Frame work by Munawar

Collection Framework

A collection represents a group of object java collections provide classes and interfaces for us to be able to write code quickly and efficiently.

Why do we need collections?

We need collections for efficient storage and better manipulation of data in java. For example we use arrays to store integers but what if we want to.

- ➢ Resize this array.
- ➢ Delete an element in array.
- ➢ Insert an element in between.
- ➢ Apply certain operation to change this array.

How are collections available

Collections in java are available as classes and interface following are few commonly used collection in java.

- ➢ Array list -- > variable size collection.
- ➢ Set --- > for distinct collection.
- ➢ Stack --- > A LIFO data structure.
- ➢ Hash Map --- > For storing key – value pairs.

Collection class is available in java. util package collection class also provides static methods for sorting, searching etc.

Source Code

```java
public class NewTask {
    public static void main(String[] args) {
// Only theory discuss
    }
}
```

Thank You