

## DAC 0521 MET-M Writeup - Java Module 1 Session 12

Iteration in Java

```
for(T item in source){  
    process(item);  
}
```

(1) source is T[]

```
for(int i = 0; i < source.length; ++i){  
    T item = source[i];  
    process(item);  
}
```

(2) source is java.lang.Iterable<T>

```
for(java.util.Iterator<T> i = source.iterator(); i.hasNext());{  
    T item = i.next();  
    process(item);  
}
```



	ArrayList	LinkedList	HashSet	TreeSet
indexing	fast	slow	not-supported	not-supported

adding	fast	fast	slow	fast
removing	slow	fast	slow	fast
searching	slow	slow	slow	fast
refs per entry	1	3	1	3