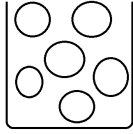


for-each loop in java :

It is also known as enhanced for loop available from JDK 1.5V.

Internally compiler will generate ordinary for loop for this for each loop.

It is mainly used to retrieve the values from the collection one by one.

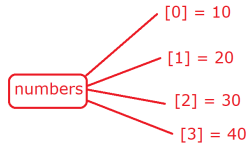


How for each loop works internally ?

```
int []numbers = {10,20,30,40}; //Anonymous array
```

```
for(int number : numbers)
{
    System.out.println(number);
}
```

Note : number is an ordinary variable which can hold only one value at a time whereas numbers is an array variable which can hold multiple values



numbers variable has more value or not ?

Compiler Activity on for each loop :

```
int []numbers = {10,20,30,40};
for(int number : numbers)
{
    System.out.println(number);
}
```

```
for(int i = 0; i<numbers.length; i++)
{
    System.out.println(numbers[i]);
}
```

Code Generated by compiler