

# FOR EACH LOOP IN DART

## For Each Loop

The **for each** loop iterates over all list elements or variables. It is useful when you want to loop through **list/collection**. The syntax of for-each loop is:

```
collection.forEach(void f(value));
```



## Example 1: Print Each Item Of List Using Foreach

This will print each name of football players.

```
void main(){  
  List<String> footballplayers=['Ronaldo','Messi','Neymar','Hazard'];  
  footballplayers.forEach( (names)=>print(names));  
}
```



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## Example 2: Print Each Total and Average Of Lists

This program will print the total sum of all numbers and also the average value from the total.

```
void main(){  
  List<int> numbers = [1,2,3,4,5];  
  
  int total = 0;  
  
  numbers.forEach( (num)=>total= total+ num);  
  
  print("Total is $total.");  
}
```



```
double avg = total / (numbers.length);

print("Average is $avg.");

}
```

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## For In Loop In Dart

There is also another for loop, i.e., **for in loop**. It also makes looping over the list very easily.

```
void main(){
  List<String> footballplayers=['Ronaldo','Messi','Neymar','Hazard'];

  for(String player in footballplayers){
    print(player);
  }
}
```

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## How to Find Index Value Of List

In dart, asMap method converts the list to a map where the keys are the index and values are the element at the index.

```
void main(){

List<String> footballplayers=['Ronaldo','Messi','Neymar','Hazard'];

footballplayers.asMap().forEach((index, value) => print("$value index is $index"));

}
```

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## Example 3: Print Unicode Value of Each Character of String

This will split the name into Unicode values and then find characters from the Unicode value.

```
void main(){  
  String name = "John";  
  for(var codePoint in name.runes){  
    print("Unicode of ${String.fromCharCode(codePoint)} is $codePoint.");  
  }  
}
```



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## Video

Watch our video on for each loop in Dart.