Create shared/models => todo.service.ts

```
import { Injectable } from '@angular/core';
import { AngularFireDatabase, AngularFireList } from 'angularfire2/database';
@Injectable()
export class TodoService {
 getToDoList()
   this.toDoList =this.firebasedb.list('titles');
   return this.toDoList;
 }
 addTitle(title : string)
 {
   this.toDoList.push({
        title : title,
        isChecked : false
     });
 checkOrUnCheckTitle($key : string , flag:boolean)
  this.toDoList.update($key, {isChecked : flag});
removeTitle($key : string)
 {
    this.toDoList.remove($key);
 }
```

Todo.component.ts

```
import { Component, OnInit } from '@angular/core';
import { TodoService } from './shared/todo.service';
@Component({
templateUrl: './todo.component.html',
// access service
 providers:[TodoService]
 todoListArray : any[];
// access service in constructor using a var
  this.todoService.getToDoList().snapshotChanges()
    this.todoListArray=[];
    item.forEach(element =>
           var x = element.payload.toJSON();
           x["$key"]=element.key;
           this.todoListArray.push(x);
         this.todoListArray.sort((a,b)=>
onAdd(itemTitle)
```

```
this.todoService.addTitle(itemTitle.value);
itemTitle.value=null;
}
alertCheck($key: string, isChecked)
{
   this.todoService.checkOrUnCheckTitle($key,!isChecked);
}
onDelete($key: string)
{
   this.todoService.removeTitle($key);
}
}
```

Todo.component.html