

# Angular 2: Accessing data from FormArray

Asked 2 years, 11 months ago   Active 1 month ago   Viewed 24k times

I have prepared a form using ReactiveForms provided by angular2/forms. This form has a form array products:

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```
this.checkoutFormGroup = this.fb.group({
  selectedNominee: ['', Validators.required],
  selectedBank: ['', Validators.required],
  products: productFormGroupArray
});
```



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productFormGroupArray is a array of FormGroup Objects.I fetched the controls i.e. FormArray object using this:

```
this.checkoutFormGroup.get('products')
```

I am trying to get the element in the products array at index `i` . How can this be done without looping through the array?

**Edit:**

I tried with `at(index)` method available:

```
this.checkoutFormGroup.get('products').at(index)
```

but this is generating an error as:

```
Property 'at' does not exist on type 'AbstractControl'.
```

**Edit 2:** checkoutData and fund are received from server.

```
this.checkoutData.products.forEach(product => {
  this.fundFormGroupArray.push(this.fb.group({
    investmentAmount: [this.fund.minInvestment,
    Validators.required],
```

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 angular  typescript  angular2-forms

edited Nov 17 '16 at 5:44

asked Nov 17 '16 at 5:03



[Sumit Agarwal](#)

1,691 7 21 39

Please share the code which show how you have defined `productFormGroupArray` – [ranakrunal9](#) Nov 17 '16 at 5:25

@ranakrunal9 Edited the question – [Sumit Agarwal](#) Nov 17 '16 at 5:44

### 3 Answers



Just cast that control to array

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```
var arrayControl = this.checkoutFormGroup.get('products') as FormArray;
```



and all its features are there



```
var item = arrayControl.at(index);
```

answered Nov 17 '16 at 5:26



[Radim Köhler](#)

110k 32 215 293

Thanks so much ! – [Azoulay Jason](#) Apr 10 '18 at 14:36

Thanks brother :) :thumbsUp – [Prasad Patel](#) May 10 at 13:43

That's return undefined – [Ehsan](#) Jul 29 at 7:45

Thank you! Saved me hours! – [Morlas](#) Sep 18 at 11:58

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One liner as an option to the current accepted answer

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```
var item = (<FormArray>this.checkoutFormGroup.get('products')).at(index);
```



edited Sep 2 at 18:40

answered Jul 6 '18 at 18:53



fg78nc

2,728 1 7 20



// in .ts component file //

0

```
getName(i) {  
    return this.getControls()[i].value.name;  
}  
  
getControls() {  
    return (<FormArray>this.categoryForm.get('categories')).controls;  
}
```



// in reactive form - Template file //

```
<mat-tab-group formArrayName="categories" class="uk-width-2-3"  
[selectedIndex]="getControls().length">  
    <mat-tab  
        *ngFor="let categoryCtrl of getControls(); let i = index"  
        [formGroupName]="i"  
        [label]="getName(i)? getName(i) : 'جديد'"  
    >  
</mat-tab>  
</mat-tab-group>
```

answered Sep 13 '18 at 7:07



Issa Lafi

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