# F()

<https://stackoverflow.com/questions/59127493/how-do-i-avoid-obj-save-not-to-update-updated-at-field/59127704?noredirect=1#comment104483959_59127704>

f() updates only one field and not others

# Checking 'updated\_at' and 'count\_visits' fields

>>> obj = Post.objects.get(title='NewPost')

>>> obj.count\_visits

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>>> obj.updated\_at

datetime.datetime(2019, 12, 1, 18, 4, 39, 710819, tzinfo=<UTC>)

# Updating 'count\_visits' and incrementing it by 1 doesn't change 'updated\_at' field

>>> Post.objects.filter(title='NewPost').update(count\_visits = F('count\_visits') + 1)

>>> obj = Post.objects.get(title='NewPost')

>>> obj.count\_visits  # only this field changed and incremented by one

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>>> obj.updated\_at # After using F(); 'updated\_at' fields remains the same

datetime.datetime(2019, 12, 1, 18, 4, 39, 710819, tzinfo=<UTC>)

obj.save() updates the entires fields of a model.

#  Checking 'updated\_at' and 'count\_visits' fields

>>> obj = Post.objects.get(title='NewPost')

>>> obj.updated\_at

datetime.datetime(2019, 12, 1, 18, 42, 46, 754476, tzinfo=<UTC>)

>>> obj.count\_visits

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# Updating 'count\_visits' and incrementing it by 1 causes 'updated\_at' field to change either

>>> obj = Post.objects.get(title='NewPost')

>>> obj.count\_visits += 1

>>> obj.save()

>>> obj.count\_visits # successfully incremented by one

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>>> obj.updated\_at # updated\_at field updated after calling obj.save()

datetime.datetime(2019, 12, 1, 18, 46, 27, 688457, tzinfo=<UTC>)

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So, F() only updated count\_visits field and didn't effect other fields of the model. right? – [Basir Payenda](https://stackoverflow.com/users/9441080/basir-payenda) [8 hours ago](https://stackoverflow.com/questions/59127493/how-do-i-avoid-obj-save-not-to-update-updated-at-field/59127704?noredirect=1#comment104485780_59127704)

@BasirPayenda F() itself doesn't update anything, it's just a class that allows you to fetch values in-place in the database query. update() is doing the update and when you call update() on a queryset, it will just update the columns you tell it to update. – [dirkgroten](https://stackoverflow.com/users/1252711/dirkgroten) [7 hours ago](https://stackoverflow.com/questions/59127493/how-do-i-avoid-obj-save-not-to-update-updated-at-field/59127704?noredirect=1#comment104486492_59127704)

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