

Do as I did in class

In this class you learned how to build a class that uses the design pattern Fábrica or Factory , now you will redo the class we made during the video.

1. To start you must import the classes that you want your factory to be able to return.

```
from fila_normal import FilaNORMAL
from fila_prioritaria import FilaPrioritaria
```

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1. Now you will simply create the class and the method that will return the requested class.

```
class FabricaFila:
    @staticmethod
    def pega_fila(tipo_fila):
```

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1. At this point you can now insert the conditionals.

```
@staticmethod
def pega_fila(tipo_fila):
    if tipo_fila == 'normal':
        return FilaNORMAL()
    if tipo_fila == 'prioritaria':
        return FilaPrioritaria()
    else:
        raise NotImplementedError('Tipo não cadastrado')
```

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1. During class we chose to leave the names of the class types inside the constant file, do the same here.

```
from constants import TIPO_FILA_NORMAL, TIPO_FILA_PRIORITARIA
from fila_normal import FilaNORMAL
from fila_prioritaria import FilaPrioritaria
```

```
class FabricaFila:
    @staticmethod
    def pega_fila(tipo_fila):
        if tipo_fila == FILA_NORMAL:
            return FilaNormal()
        if tipo_fila == FILA_PRIORITARIA:
            return FilaPrioritaria()
        else:
            raise NotImplementedError('Tipo não cadastrado')
```

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And this is the final look of our factory!

## Instructor's opinion

If something goes wrong, don't panic, check the error message and try to solve the problem!