* 1. **TP07**
     1. **Introduction**

Dans ce TP ,on va voir quelques pattern dans le premier type de design pattern qui est creational patterns.

* + 1. **Outils de travail**

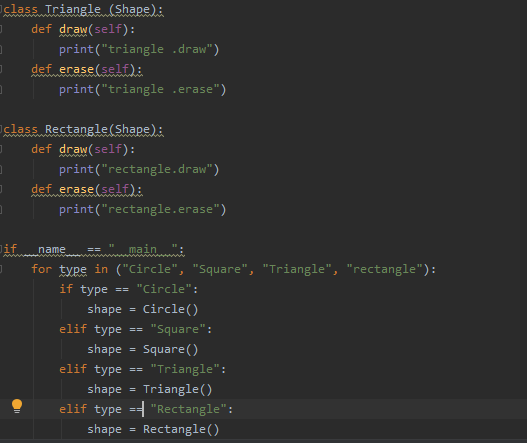
-Python

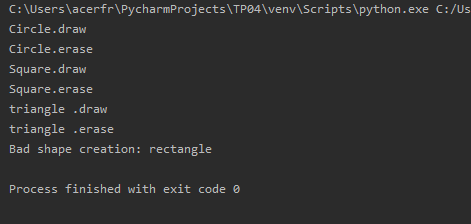
-Sublime Text.

* + 1. **Test et resultat**

**Sans Design pattern**

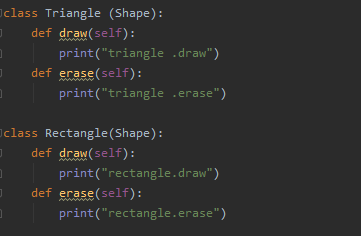
2- Modifier le code pour ajouter une forme triangle et rectangle.





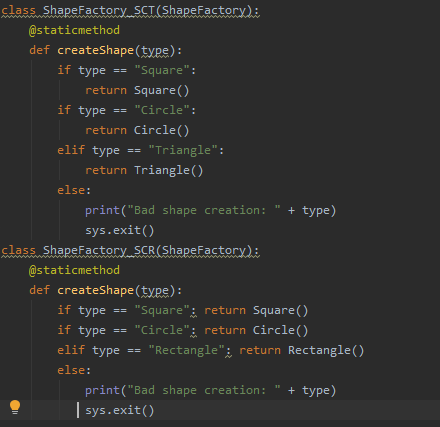
**Simple Factory method**

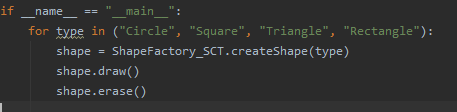
2- Modifier le code pour ajouter les formes Triangle et rectangle.

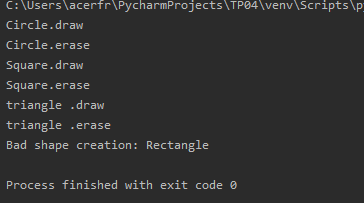


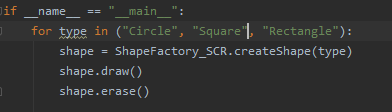
**Factory method**

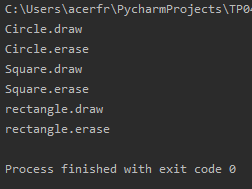
**3.**Ajouter les methodes

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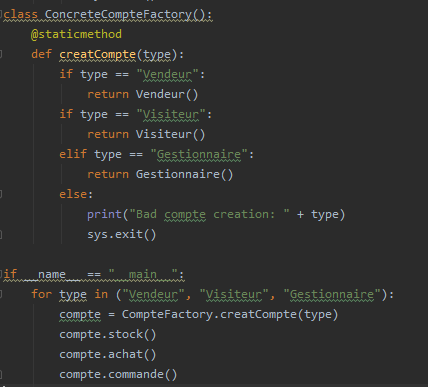
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**Application**

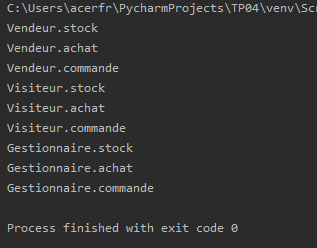
**Test**

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**Resultat**

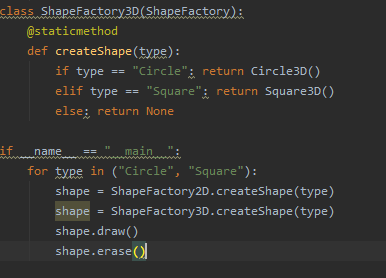
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**Partie 2**

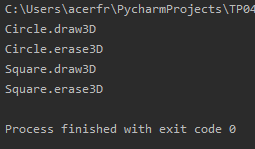
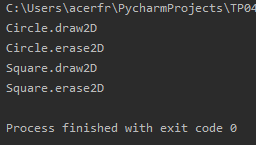
**Test**

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**Resultat**

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**Travail à Domicile :**

**Introduction**

Dans le travail à domicile on va implémenter deux exemples l’interface graphique avec Abstract Factory méthode , et l‘exemple de Pizza avec Factory méthode.

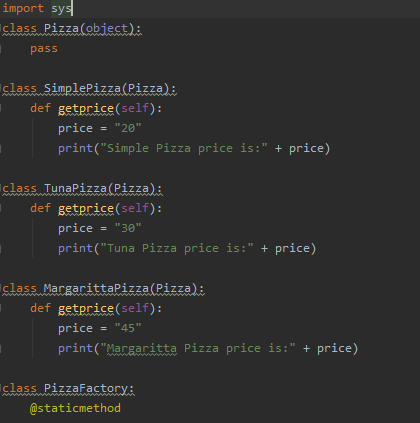
**Outils de travail**

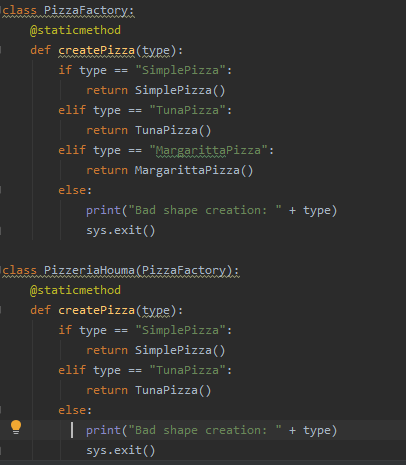
-Python : la bibliothèque python « platform » et la fonction platform.system().

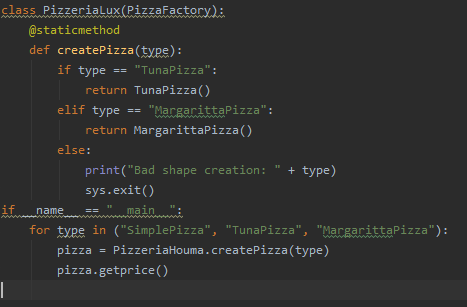
**Tests et resultats**

1. **Factory méthode**

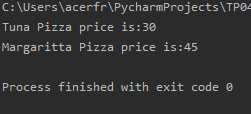
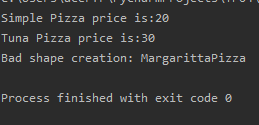
**Test**

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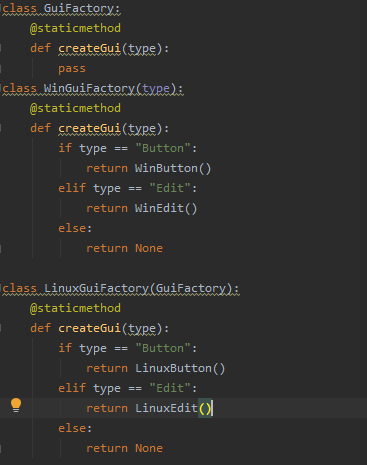
**Resultat**

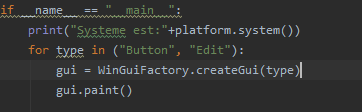
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1. **Abstract Factory method :**

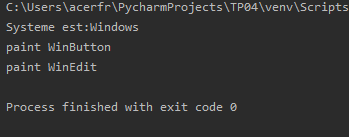
**Test**

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**Resultat**

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