

Exercice 2.

1. lit = Meuble("lit Queen Size", 2.4, 6)

2. class Piece :

```
def __init__(self, nom, s):  
    """ Piece, str, float -> None """  
    self.nom = nom
```

```
    self.superficie = s
```

```
    self.liste_mobilier = []
```

```
    self.superficie_occupie = 0
```

```
def possede_piece(self, surface):
```

```
    return self.superficie - self.superficie_occupie > surface
```

```
def ajoute(self, meuble):
```

```
    if self.possede_piece(meuble.superficie - sol):
```

```
        self.liste_mobilier.append(meuble)
```

```
        self.superficie_occupie += meuble.superficie - sol
```

```
    return True
```

```
    return False
```

3. a.

```
sdb = Piece("Salle de bain", 4.5)
```

```
sdb.ajoute(bain)
```

```
sdb.ajoute(wc)
```

```
sdb.ajoute(lav)
```

```
couloir = Piece("Couloir", 4)
```

```
cuis = Piece("Cuisine", 3)
```

```
cuis.ajoute(ev)
```

```
cuis.ajoute(gaz)
```

```
sal = Piece("Salon", 27)
```

```
apt = Appartement([sdb, couloir, cuis, sal])
```


b. `def prix(self, prix_max):`

`s = 0`

`for p in self.ventes:`

`s += p.superficie`

`return s.`

c. `def recherche_place(self, superficie):`

`l = []`

`for p in self.ventes:`

`if p.passe_place(superficie):`

`l.append(p)`

`return l.`

4. `def recherche_appart(collection):`

`prix_min = collection[0].prix(10000)`

`apt_min = collection[0]`

`for apt in collection:`

`if prix_min > apt.prix(10000):`

`prix_min = apt.prix(10000)`

`apt_min = apt`

`return apt.`