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I.   Objective

The goals and the purposes of this exercise are helping students to have a better understanding of OOP programing in Python, especially Inheritance characteristic.

II.   Algorithm
-        Inheritance principles
III.   Program Output
        a.   1-1

```
PS C:\Users\Thanh NVan\Desktop\MSE\1st-sem\pythons\excersise-4> python .\Restaurant.py
Restaurant: The Fat Radish
Restaurant: American
The restaurant The Fat Radish serves American food.
The Fat Radish is now open.
```

        b.   1-2

```
PS C:\Users\Thanh NVan\Desktop\MSE\1st-sem\pythons\excersise-4> python .\Restaurant.py
The restaurant The Fat Radish serves American food.
The restaurant Quán bún serves Bún bò Huế food.
The restaurant Quán phở serves Phở Bắc food.
```

        c.   1-3

```
PS C:\Users\Thanh NVan\Desktop\MSE\1st-sem\pythons\excersise-4> python .\User.py
User: Napoleon Bonaparte
Hello, Napoleon Bonaparte!
User: George Washington
Hello, George Washington!
```

        d.   1-4

```
PS C:\Users\Thanh NVan\Desktop\MSE\1st-sem\pythons\excersise-4> python .\Restaurant.py
The restaurant Quán bún serves Bún bò Huế food.
Quán bún is now open.
The number of served customers is 10.
The number of served customers is 15.
The restaurant Quán bún serves Bún bò Huế food.
```

        e.   1-5

```
PS C:\Users\Thanh NVan\Desktop\MSE\1st-sem\pythons\excersise-4> python .\User.py
User: Napoleon Bonaparte
Hello, Napoleon Bonaparte!
Login attempts: 2
Login attempts: 0
```