Full Stack Application Development with MS Azure Cloud

Module 3 - Back-End Development & Integration

Lab Practical Manual

Unit 1 - Python Programming Language

Topic: Object-oriented python - Solved Question

Lab 7: Program to demonstrate the Person class has a constructor (__init__) that initializes the name and age attributes. It also should contain an introduce method to introduce the person.

Program

```
class Person:
    def __init__(self, name, age):
        self.name = name
        self.age = age

    def introduce(self):
        return f"Hi, I'm {self.name} and I'm {self.age} years old."

# Create instances of Person
person1 = Person("Alice", 25)
person2 = Person("Bob", 30)

print(person1.introduce())
print(person2.introduce())
```

Output:

Hi, I'm Alice and I'm 25 years old.

Hi, I'm Bob and I'm 30 years old.

Unsolved Question

Lab 8: Program to demonstrate the Rectangle class has a constructor to set the width and height attributes. It also should contain methods to calculate the area and perimeter of the rectangle.