Q1. What is the purpose of Python's OOP?

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Pyhton OOP's provide the reusability of the code and modular programmong with help of orgainising the code
with the help of the objects and classes .
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Q2. Where does an inheritance search look for an attribute?

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1.First it will look for that atribute in the instance varaibles which calls that
2.If it do not found it will check in the class atrbutes of that instance class
3.If it fails again it will search in the Parent class of that instnce class
```

Q3. How do you distinguish between a class object and an instance object?

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Class object is created when we define a class.
Instance object is created when we call the class.
Objcet class have its own behaviour and properties which are used by the instance object of that class.
Instance object uses the atributes of its class.

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Q4. What makes the first argument in a class’s method function special?

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Self keyword is the first argument in a class’s method function special.
It will map the specific instance with atribute and the method.
```

Q5. What is the purpose of the init method?

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It serves as a constructor for the class
```

Q6. What is the process for creating a class instance?

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variable_name=class_name()
```

Q7. What is the process for creating a class?

```
wite class_name() followed by class keyword and a : and define the atributes and the methods of class
class Amed():
    atributes
    methods
```

Q8. How would you define the superclasses of a class?

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Write the name inside the paranthesis of the child class and initaiting the superclass mthods and atributes with the
help of super() method

class Ali(Ahmed):
    def __init__(self):
        super().__init__()
        pass
```