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Subject : Prog For AI

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### Assignment # 03

Q:- What is the concept destructor in python?

Ans In python, a destructor is a special method called '`--del--()`' that gets invoked when an object is about to be destroyed. It's commonly used to clean up resources or perform final ~~ops~~ operations before an object is garbage collected.

However, it's important to note that Python's garbage collection mechanism typically handles memory management automatically, so explicit destructors are not often needed. Python encourages the use of context managers (implemented with the 'with' statement) or the 'try...finally' construct for resource



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cleanup, as they provide more explicit and predictable ways to manage resources.

Example:

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

# use of destructor:

```
    def __del__(self):
        print(f"Object {self.name}
              is being destroyed")
```

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