SECTION → 3

Q1
Ans Polymorphism is the capability of a
method to do different things based on
the object that it is acting upon. In
other words: Polymorphism. As we have
seen in the above example that we have
defined the method sound and have the
multiple implementation of it in the
different-2 sub class.

→ **Static Polymorphism :-**

Polymorphism that is resolved during
compiler time is known as Static Polym-
-orphism.

Method overloding:- This allows us to have
more than one method having the same
name if the number, sequence and data
type of Parametes, we have already
discussed method overloading here if you
didn't read that guide refer: Method
overloading in Java.

→ **Dynamic Polymorphism:-**

It is also known as Dynamic Method
Dispatch. Dynamic Polymorphism is a
Process in which a call to an overridden.

Method is resolved at runtime thats why it is called runtime Polymorphism

Ex:- In this example we have two classes ABC and XYZ. ABC isa Parent class and XYZ isa child class. The child class is overriding the method Mymethod of parent class. in this type of the object would be determined at run time.

→ Tuple Python !- A Tuple isa collection which is ordered and unchangeble. in Python tuples are written with round brackets.

Examples of tuples !-

```
# Empty tuple
My tuple = ()
Print (my-tuple)

# Tuple having integers
My tuple = (1, 2, 3)
Print (my-tuple)

# tuple with mixed datatypes
My tuple = (1, "Helo", 3, 4)
Print (my-tuple)
```