

# Oops Fundamentals

## Assignments

### Assignment Solution-

#### **Q1.How to create an object in Java?**

**Ans.** Using the new keyword is the most popular way to create an object or instance of the class.

ClassName object = **new** ClassName();

#### **Q2. What is the use of a new keyword in java ?**

**Ans .** The new keyword in Java is used to create an instance of a class, also known as an object. The new keyword in Java is used to allocate memory for the object on the heap, the memory space where objects are stored.

#### **Q3. What are the different types of variables in Java?**

**Ans.** Local variables, static variables, and instance variables.

#### **Q4. What is the difference between instance variable and Local variable?**

**Ans.** Instance variables are variables within a class but outside any method. These variables are instantiated when the class is loaded.

Local variables are declared within a method. Instance variables are declared inside a class but not within a method.

#### **Q5. In which area memory is allocated for instance variable and local variable ?**

**Ans** Stack is a memory place where the methods and the local variables are stored.

#### **Q6. What is method overloading?**

**Ans** When a class have multiple methods by same name but different parameters,.