**Object Assignment**

1. **How to create an object in java?**

**Ans:** When we create an object define a class and we can create several object of that type. And we can create an object with the use **new** keyword.

Example:

public class Main {

int a=2;

public static void main(String arg[]) {

Main object1 = new Main(); // this is object creation with new keyword.

Main object2 = new Main(); // this is another object creation.

System.out.println(object1.a);

object2.a=5;

System.out.println(object2.a);

}

}

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

**Ans:** For object creation.

Example:

public class Main {

//body of class

public static void main(String args[]) {

Main object = new Main(); // object created by new keyword.

}

}

1. **What are the different types of variables in java?**

**Ans:** There are the three types of variables in java :

1. Instance variable
2. Local variable
3. Static variable
4. **What is the difference between instance variables and local variables?**

**Ans:**

|  |  |
| --- | --- |
| **Instance variable** | **Local variable** |
| It defined in outside the method and inside class body. | It is defined int method. |
| It has default value. | It has not default value. |
| It doesn’t must assign. | It must be assign. |
| It is variable of class. | It is variable of method. |

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

**Ans:** Instance variable store in heap area and local variable store in stack area in JVM.

1. **What is method overloading?**

**Ans:** Method overloading mean one method has many form which has different signature.

Public class Main{

Void add(int) { // Method body}

Void add(long) { // Method body}

Void add(String) { // Method body}

}