Assignment

1. How to create an object in java ?

Ans: The most common ways to create an object using new keyword.

    ClassName object = new ClassName();

2. what is the use of new keyword in Java ?

Ans: The new keywords creates a new object. The new operator instantiates a class by dynamically   allocating(i.e., allocation at run time).

3.what are the types of variable in Java ?

Ans: there are three types of variable in java.

1. Static variable.
2. Local variable.
3. Instance variable.

4. what is the difference between instance variable and local Variable in Java ?

Ans: Instance variable will be created at the time of object creation and destroyed at the time of object
destruction hence the scope of instance variable is exactly the same as the same of objects.

Whereas the local variable will be stored inside the stack. The local variable will be created as part of the block execution in which it is declared and destroyed once the block execution compiles.

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

  Ans: Stack and the Heap memory is allocated for instance and local variable.

6. What is method overloading?

  Ans : Method overloading is a feature in programming languages like Java that allows multiple methods to have the same name but different parameters. This can be achieved by varying the number of parameters, the type of parameters, or

the order of parameters. Method overloading is also known as compile-time polymorphism or static polymorphism