1. How to create an object in java?

**Ans:-** with the help of new keyword we create object. Class is a logical entity. object is an instance of class. So for creating object we need class in other words need to provide blueprint. For eg:- Syntax className refernceVarible = new className();

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

**Ans:-**Ths new keyword is used in java to create an object(instance) of class.it allocate memory to an object in heap memory and return a references to object created.

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

**Ans:-** local variable, instance variable, static variable.

1. What is the difference between instance variables and local variables?

**Ans:-**

|  |  |
| --- | --- |
| Local variable | Instance variable |
| Local variable is declared inside the method body | Instance variable is declared outside any method body and inside a class body. |
| Other methods are not aware about local variable declared in another method. | Instance variable is known by all methods of particular class in which it is declared. |
| Scope is within the block it is declared | Scope is throughout the class except in the static memory |
| Lifetime of local variable until control leaves the block of method in which it is declared | Lifetime of instance variable until object of that class stays in memory. |

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

**Ans:-** area of instance variable is **Heap Area** and area of local variable is **stack.**

1. What is method overloading?

Ans:- method overloading is a java feature which allows a programmer to use multiple method with the same name with distinct quantity of parameters or distinct input argument.