**HOW TO CREATE AN OBJECT IN JAVA?**

USING NEW KEYWORD

CreateObjectExample1 obj = new CreateObjectExample1();

**WHAT IS USE OF NEW KEYWORD IN JAVA?**

It creates a Java object and allocates memory for it on the heap.

**WHAT ARE DIFFERENT TYPES OF VARIABLES IN JAVA?**

Local, Instance, and Static.

**WHAT IS DIFFERENCE BETWEEN INSTANCE AND LOCAL VARIABLES?**

Local variable: This is a variable that is declared inside the body of a methods

Instance variable: This Java variable is defined without the STATIC keyword, but as outside of a method declaration. They are object-specific variables, which is why they are known by this name.

**IN WHICH AREA MEMORY IS ALLOCIATED FOR INSTANCE AND LOCAL VARIABLES?**

Instance—Heap

Local—--stack section

**WHAT IS METHOD OVERLOADING?**

If a class has multiple methods having same name but different in parameters, it is known as Method Overloading.

If we have to perform only one operation, having same name of the methods increases the readability of the program.

Suppose you have to perform addition of the given numbers but there can be any number of arguments, if you write the method such as a(int,int) for two parameters, and b(int,int,int) for three parameters then it may be difficult for you as well as other programmers to understand the behavior of the method because its name differs.

So, we perform method overloading to figure out the program quickly.