**OOPs Fundamental**

**Day 10 Assignment Questions**

**Ques.1 How to Create an Object in Java?**

**Ans.** We can create an object in Java with the use of “new” Keyword.

**For ex.**

class test

{

String name;

Int marks;

Public static void main (String []args)

{

test t = new test();

}

}

**Ques. 2 What is the use of new keyword in Java?**

**Ans.** The use of new keyword is to initiate a class by allocating a desired memory for an associated objects.

**Ques. 3 What are the different types of variables in JAVA?**

**Ans.** Based on the type of value the variable represents there are two different types of variables in Java

* Primitive Variable
* Reference Variable

Based on the type of behaviour and position of declaration there are three different types of variable in Java

* Instance Variable
* Static Variable
* Local Variable

**Ques. 4 What is the difference between Instance variable and Local Variable?**

**Ans.**

**Instance Variable** It is a type of variable whose value varies from object to object such types of variables are called instance variables.For every object there will be a separated copy of instance variable.Instanse Variable have some default values.

**Local Variable** It is declared to meet temporary requirements of the programmer.This type of variable is declared inside a method . Local variables are stored inside the stack. Local Variable have no default Values.

**Ques. 5 In which are memory is allocated for instance variable and local variable?**

**Ans.** Heap area is allocated for Instance Variable where as Stack memory is allocated for Local Variable.

**Ques. 6 What is method overloading?**

**Ans.** Two methods are said to be overloaded if and only if they have same name but different arguments and this process is known as Method Overloading.