**CONSTRUCTOR ASSIGNMENT**

**Q1. What is constructor?  
Ans.** Whenever we create an object , some piece of code automatically executed for perform initialisation of object, this is nothing but called as constructor.  
In simple words we can say that whenever we create an object and at the time of object creation we also wanted to initialise the value of that object we can use the constructor.  
Everytime when we create an object constructor will also be created, sometimes by programmer and sometimes by java itself .

**Q2. What is constructor chaining?  
Ans.**  Constructor chaining is the process to call one constructor from another constructor with respect to current object.   
**Ex:-** this() and super () is the two example of constructor chaining.

**Q3. Can we call a subclass constructor from a superclass constructor?  
Ans.** Yes .

**Q4. What happen if you keep a return type for constructor?  
Ans.** It will become method , because as per java rule in constructor return type should not be present.

**Q5. What is no – argument constructor?  
Ans.** The constructor which are not accepting any arguments known as no arguments constructor.

**Q6. How is no argument constructor different from the default constructor?  
Ans. No argument constructor Default constructor  
 1.** It is created by developer itself.  **1.** It is created by java not by developer.  
 **2.** It’s accessibility modifier is same as class **2.** It can have all four accessibility modifier as it is defined   
 accessibility modifier. So the only allowed by the developer. So the allowed accessibility modifier   
 accessibility modifiers are default and public. are private , default , public and protected.  
 **3.** It doe not have logic except the super() call. **3.** It can have logic including super() call.

**Q7. When do we need constructor overloading?  
Ans.** Constructor overloading is same as method overloading means we can create a multiple constructor with same name but having a different parameter, data type etc.  
Whenever we create a object we have to create a constructor too, sometime it is create by programmer and if not created by programmer then java create itself which is called as default constructor and which having a zero parameter.  
whenever we want to do a multiple operation in single object we have to create a multiple constructor then it is called as constructor overloading.

**Q8. What is default constructor explain with an example?  
Ans.** A default constructor means the constructor created not by programmer but created by java itself, which having a zero parameter.  
 **ex:-** class student{  
private int age;  
private String name;  
**// student()  
{ this is a default constructor with zero parameter , which is created by java itself behind the seen.  
}**

public void setAge ()  
{  
 this.age = age;  
}

public void setName()  
{  
 this.name = name;  
}

public int getAge()  
{

return age;  
}

pubic String getName()  
{  
 return name;  
}

public class example{  
 public static void main(String[]args){  
student st = new student();  
st.setName = “Ayush”;  
st.setAge = 18;  
int age = st.getAge();  
String name = st.getName();  
system.out.println(age);  
system.out.println(name);  
 }  
}