```
class demo
{
int a;//member variable
demo()
{
//default Constructor
}
demo(int a,int b)//overload constructor(Constructor with parameter)
{
}
main()
{
demo i=new demo();//Default Constructor is called
demo j=new demo(10,20);
i.a=20;
}
}
```

Constructor:

It is special method which is used to intialise the member variable.

Constructor name and class name is always same

if there is more than one constructor then it is called overload Costructor

Constructor is called at the time of class object is created.

If there is no constructor in a programe then default constructor is

present autometically.

//

```
        class S{
          void m()
        {
          System.out.println("method is invoked");
          }
          void n(){
```

```
  this.m();//no need because compiler does it for you.
  }
  void p(){
  n();//complier will add this to invoke n() method as this.n()
  }
  public static void main(String args[]){
  S s1 = new S();
  s1.p();
  }
 }
//
class Student11{
    int id;
    String name;

    Student11(int id,String name)
 {
    this.id = id;
    this.name = name;
    }
    void display()
 {
 System.out.println(id+" "+name);
 }
    public static void main(String args[]){
    Student11 s1 = new Student11(111,"Karan");
    Student11 s2 = new Student11(222,"Aryan");
    s1.display();
    s2.display();
 }
 }
```

```
//
        class Student13{
           int id;
    String name;
           Student13()
        {
        System.out.println("default constructor is invoked");
        }

           Student13(int id,String name)
        {
           this ();//it is used to invoked current class constructor.
           this.id = id;
           this.name = name;
           }
           void display()
        {
        System.out.println(id+" "+name);
        }

           public static void main(String args[])
        {
           Student13 e1 = new Student13(111,"karan");
           Student13 e2 = new Student13(222,"Aryan");
           e1.display();
           e2.display();
          }
        }
//
public class staticex
{
```

```
static int count;
public staticex()
{
count=count+1;
}
public static void main(String[] args)
{
staticex i=new staticex();//object of class is created
System.out.println(  i.count );
staticex j=new staticex();
System.out.println( j.count );

}

}
```