Constrctor

For creating a constructor a add it to the class by using the following code :

```
public class human {

  String name;
  int age;
  int heightInInches;
  String eyeColor;

  public human() {
    //this is the constructor.
  }

  public void speak() {
    System.out.println("Hello my name is "+ name);
    System.out.println("I'm "+age+" years old");
    System.out.println("i am "+heightInInches+ " Inches Tall");
    System.out.println("My eye color is "+eyeColor);

  }

  public void eat() {
    System.out.println("Walking....");
  }

  public void work() {
    System.out.println("Working....");
  }
}
```


the constructor must be called the same as the class name, for example :
constructor human called Public human(){} the same as Public Class human{}

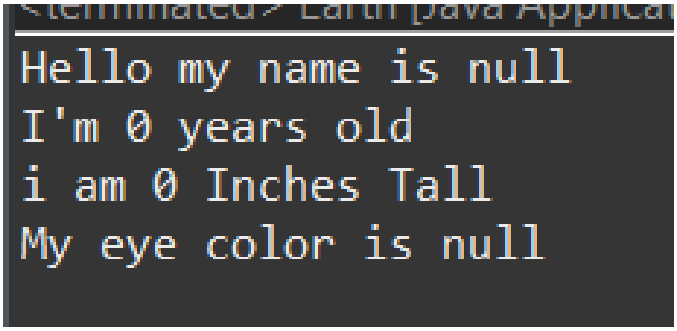
let's just create a new class called earth, in that class we create an object human.

```
public class Earth {

  public static void main(String args[])
  {
    human Amir;
    Amir = new human();
    //created variable - human name Amir.

  }
}
```

let Amir speaks...

```
public class Earth {

  public static void main(String args[])
  {
    human Amir;
    Amir = new human();
    //created variable - human name Amir.
    Amir.speak();
  }
}
```

the result is :



- let's assign some info instead of the null's

```
public static void main(String args[])
  {
    human Amir;
    Amir = new human();
    Amir.age=23;
    Amir.eyeColor="black";
    Amir.heightInInches=71;
    Amir.name="AmirWayne";
```

```
    Amir.speak();

  }
```

we can also use couple of objects and each object has it's behavior.

and by running this methods on the void main function. the method will be excuted.

1. Bird Class:

```
public class Bird {

  public Bird() {

  }
  public void Fly() {
    System.out.println("Flying....");
  }
}
```

2. human class:

```
package javaLearning;

public class human {

  String name;
  int age;
  int heightInInches;
  String eyeColor;

  public human(String name,int age, String eyecolor,int heighininches) {
    this.age=age;
    this.eyeColor=eyecolor;
    this.heightInInches=heighininches;
    this.name=name;


  }

  public void speak() {
    System.out.println("Hello my name is "+ name);
    System.out.println("I'm "+age+" years old");
    System.out.println("i am "+heightInInches+ " Inches Tall");
    System.out.println("My eye color is "+eyeColor);

  }
```

```
  public void eat() {
    System.out.println("Walking....");
  }

  public void work() {
    System.out.println("Working....");
  }
}
```

3. earth class:

```
package javaLearning;

public class Earth {

  public static void main(String args[])
  {
    human Amir;
    Amir = new human("Bob", 16, "Blue", 19);
    Bird Jacko;
    Jacko = new Bird();



    Jacko.Fly();
    Amir.speak();

  }
}
```

4. Result :