Appropriate/Inappropriate Method Headers
• Method (including Constructor) headers must be different in Java.
• Headers are different if at least one of the following holds:
  1. The method names are different.
  2. The input parameter(s) are of different number, order, or dataType.
• Method (including Constructor) headers must be different in Java.

• Headers are different if at least one of the following holds:
  1. The method names are different.
  2. The input parameter(s) are of different number, order, or dataType.

```java
public void changeStudentInfo(String newName, int newID)
```
• Method (including Constructor) headers must be different in Java.

• Headers are different if at least one of the following holds:
  1. The method names are different.
  2. The input parameter(s) are of different number, order, or dataType.

```java
public void changeStudentInfo(String newName, int newID)
public void changeStudentInfo(String newName, int newID)
public void changeStudentInfo(int newID, double newGPA)
```
public class Student
{
        public Student(String inName, String inID)
        {
                
        }

        public Student(String inName)
        {
                
        }
}

Will it compile?
public class Student
{
    public Student(String inName, String inID)
    {
    
    }

    public Student(String inName)
    {
    
    }

    Will it compile?
    YES – Different number of parameters.
public class Student
{
    private String name;
    private int idNum;

    public Student(String inName)
    {
        name = inName;
        idNum = 1111;
    }

    public Student(String inName)
    {
    }

    public Student(String inName)
    {
        name = inName;
    }
}
public class Student
{
    private String name;
    private int idNum;

    public Student(String inName)
    {
        name = inName;
        idNum = 1111;
    }

    public Student(String inName)
    {
        name = inName;
    }
}

Will it compile?
NO – Same number of parameters of same dataType.
public class Student
{
    private String name;
    private String major;

    public Student(String inName)
    {
        name = inName;
    }

    public Student(String inMajor)
    {
        major = inMajor;
    }
}

Will it compile?
public class Student {
    private String name;
    private String major;

    public Student(String inName) {
        name = inName;
    }

    public Student(String inMajor) {
        major = inMajor;
    }
}

Will it compile? NO – Same number of parameters of same dataType.
public class Student
{
    private String name;
    private int idNum;

    public Student(String inName)
    {
        name = inName;
    }

    public Student(int inID)
    {
        idNum = inID;
    }
}
public class Student
{
    private String name;
    private int idNum;

    public Student(String inName)
    {
        name = inName;
    }

    public Student(int inID)
    {
        idNum = inID;
    }
}
public class Student
{
    //instance variables omitted

    public Student(String inName, int inID)
    {
        //omitted
    }

    public Student(String inMajor, int inNumCredits)
    {
        //omitted
    }
}

Will it compile?
public class Student
{
    //instance variables omitted

    public Student(String inName, int inID)
    {
        //omitted
    }

    public Student(String inMajor, int inNumCredits)
    {
        //omitted
    }
}

Will it compile?
NO – Same number of parameters of same data type.
Will it compile?
public class Student
{
    //instance variables omitted

    public Student(int inID, String inName)
    {
        //omitted
    }

    public Student(String inMajor, int inNumCredits)
    {
        //omitted
    }
}

Will it compile?
YES – Different parameter ordering.
public class Student
{
    //instance variables omitted

    public void changeName(String newName)
    {
        //omitted
    }

    public void changename(String newName)
    {
        //omitted
    }

    Will it compile?
public class Student
{
    //instance variables omitted

    public void changeName(String newName)
    {
        //omitted
    }

    public void changename(String newName)
    {
        //omitted
    }
}

Will it compile?
YES – Different method name.
public class Student
{
    //instance variables omitted

    public void changeName(String newName1)
    {
        //omitted
    }

    public void changeName(String newName2)
    {
        //omitted
    }

    //omitted
}

Will it compile?
public class Student
{
    //instance variables omitted

    public void changeName(String newName1)
    {
        //omitted
    }

    public void changeName(String newName2)
    {
        //omitted
    }
}

Will it compile?
No – Same number of parameters of same data type.