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Java

#### **Method Overloading:**

- > It is the process of defining more than one method with the same name for different purpose
- In Methods Overloading Method name must be same, list of arguments should not be same, return type may or may not be same
- > Eg: println(int) | println(String) | println(float) .....from PrintStream class in java.io package

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Java

```
Ex 2:
class TestIQ
     void method1(byte b)
     { System.out.println("byte: "+b); }
     void method1(short s)
     { System.out.println("short: "+s); }
     void method1(int i)
     { System.out.println("int : "+i); }
     public static void main(String args[])
          TestIQ t=new TestIQ();
                 t.method1(10);
                         t.method1(100);
                         t.method1(10000);
     }
}
Eg 3:
class TestIQ
     void method1(byte b)
     { System.out.println("byte: "+b); }
     void method1(short s)
     { System.out.println("short : "+s); }
```

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Java

```
void method1(int i)
     { System.out.println("int: "+i); }
     public static void main(String args[])
          TestIQ t=new TestIQ();
                 t.method1((byte)10);
                         t.method1((short)100);
                         t.method1(10000);
Ex 4:
class IQ
{
     public static void main(String args[])
          System.out.println("Hello Dear ");
            IQ i=new IQ();
             int sq=i.main(5);
          System.out.println("Result is: "+sq);
     }
     public int main(int x) //non static or instance mtd
     { int s;
      S=X^*X;
      return s;
```

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