## Comparison of abstract classes and Interfaces

Interface and Abstract class are Executable.

package practice;

public interface Interface Example

public static void main (String[] args)

System out println ("Interface is Executable!),

output: Interface is Executable!

package practice;

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package practice;

public abstract class Abstract Class Example

{

public static void main (String[] angs)

}

System. out. println ("Abstract class is

Executing!");

Output: Abstract class is Executing!



- · Interface can have a variable. Variable inside interface can be public, static, final. if une didn't declare variable as public, static, final. then also it is treated as public, static, final.
- · Interface can also have a abstract method.
- Intuiface can also have a static method.
- · Interface can also have a default method.
- · Interface can also have a main method.

package practice; public intenface Intenface Example public static final int x=10; int y=20; // public static final int y=20; public abstract void fun1() Void funz(); // public abstract void funz(); public static void fun3(){ System. out. ponintln ("This is static method"); public default void fun 4() ? System. out. println ("This is default method");



public Abstract Class Example () {
 System. out. println ("This is Construction");
 Static {
 System. out. println ("This is static Block");
 Public static void main (String[] angs) {
 System.out.println ("This is main method");
 }
 System.out.println ("This is main method");
}

Abstract class can have sufference variable.

Public abstract class Abstract Class Example

public static void main (String angs)

Abstract Class Example suf;

Abstract Class Example suf;

Interface can have reference variable.

public interface Interface Example

public static void main (storing[] angs)

interface Example ref;

Interface Example ref;



- · We can not Coreate an Object of interface.
  - package priactice; public interface Interface Example Epublic static void main (String[] args)
  - - Interface Example oref = new Interface Example(); // Esistant
- can not Coreate an Object of Abstract Class.
  - package priactice; public abstract class Abstract Class Example public static void main (String[] angs)
  - - Abstract Class Example ref=new Abstract Class Example )