

21- July -2017 CONDITIONS BASED ON PACKAGES

Condition-1: Two different folders having a same package with the same class.

Example

E:\12\
Packalge P2;
import P1.*; D: /1> PI-> Temp1 public void show() {Sop ("package p1 from (1); } Class Temp2

pomm() 0: \ 3 >

new Temp1(). show(); p1 → Temp1 public void show () Sop ("package p1 from 3); } }

(i) Compiling Temps in both 'fi' 4' f3' folder.

(iii) (a) E: 1/2 > set classpath = D: 1/3 E: 1/2 > joua _____.p2. Terap? Output: package p1 from 1/3 No need to comple again as we just littled diff classpath

Compiler Will link to that p1 which is written first in while setting classpath.

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Condition-2: Two different folders having a same package with different classes

Example:-E:1/37 D:/ f1> package pz; P1 -> Temp1 public void show() import p1.x; SOP ("pkg p1 from f1"); Class Temp? psymu D:1 \$3> p1→ Temp3 public raid show! new Temp1U-show; new Temp3()·show(); Sop("pkg p1 from 13")

STEPS
(i) Compile (a) Temp 1 in 'y'
(b) Temp 3 in 'y'
3'

(ii) \a) E: \ 12 > set classpath = D: \ 1 ; D: \ 13;

(b) F: 1/2> janac -d. * . jana.

(c) E: 1/2 > java p2: Temp2.

Output: pkg p1 from f1

pkg p1 from f3

So, compiler linked to both the p1 4 displayed output.



		(Data : / 2011
	Condition: 3 - Two diggeres u	nt folders having different with a same class
	D:\f1>	E:\42>
_	$p1 \xrightarrow{0} Temp1$	E:1/2> package p2;
	Public Yord show U	
Done	2 ₹	import p3. *;
	Sop("Temp1 of pkg1 from (1");	impart p1.x;
	<i>y</i>	- class Temp2
	D:\\3>	ર્
	p3 Temp1	psvm()
	public vaid show	mew Temp1().show();
	7	3
-	Sop("Temp1 or pkg 3 from f3");	3
	Steps	
(1)	Compile both "Temp1" in	'f1' 4'f3'
(ii)	vor Compile Temp2 in 'E	:1/2' by setting classpath
	Output: This perogram will	
•/	This case also asizes is "util" 4 "sql" have same Lypackages	n Java itself as
	'atil' 4 'sgl' have same	'sate' class
	L) packages	
Im	So, to siemove error, class using package no	, we access a specific
	class using package no	ame.

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How, Rewritting

package p2;

impost p1. *; import p3. *;

class Temp2

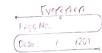
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new p1. Temp1(). show()

Output: Temp1 of pkg1 fromf1

OR new p3-Temp10. show

Output: Temp1 of pkgB from fB



	Condition: 4 - Using the class of one package into the class of default package . P_To, D
Shr.	Never keep any java file parallel to any package because while using a package in default package true give a jona file , default package will search entire folder Example:
	import p1. * ", To use / Keep parallel java tile we have to write exact class name like p1. Temp1"
1920	Class Temp2 ? povm() 3 d new Temp1() · show(); ?
·,	3 Steps
	Create 4 Compile 'Tempi of °p1' jurit. (a) Set Classpath (b) Compile Temp2.
(ii)) Run Temp2 of default' package. Output: - pack pkg p1

Condition 5: - One class using another Class which is possible to it and it is getting a same class from another package

	D:1A>	E:\	2>
	p1 → Temp1	A 1	Temp 2. java 💣
		Tempsijava package po;	package p2;
	public void show()	<i>y</i> , , , , , , , , , , , , , , , , , , ,	imposit p1(*):
	\$	Class Temp1	class Temp2
	Sopl"Temp1 of pkg p1");	\$	S COMP
_	3	Uwoda biov	psyml
	,	2	2 OKS ()
	<u> </u>	Sopl'Templ from	new Temp (). Show: Output: Temp1 of Plag p2
		same pkg ie pz"	Output! Tomal or
		3	pkg p2
_		Here we didn't need	OR
		to make class	new pl. Temp11).
		public as we are using in sume	
		Package.	Output: Temp1 of party P1
_			

Rule:

Parallel class will be given periority.

· Whenever you encounter duplicacy ervior, access class by package name.

Steps

- (1) compile Temp1 in p1
- (i) Compile Temp1 in E:1/2
- (iii)au Compile Temps in F. 1/2
 - (b) Run Temp in p2

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Condition-6:-Using class of one package into class of another package without setting classpath.

D:/f1>
p1→ Temp1

public vaid show()

Sop("pkg p1");

E://2>
p2 -> Temp2
package p2;
impost p1. *;

Class Temp2 ? psvm()

new Temp1().show)

ζ

Steps

(i) E://2>javac -d. *.java This gives error.

(ii) (a) E:/f2> janac -classpath D:/f1; -d. * java This will compile successfully.

(b) E:/ f2> jana -classpath D:/61; p2. Temp2 Output: pkg p1

FROM JDK 6 PShootform of '-classpath'

(a) E:/ f2 > janac -cp D:/ f1; -d. *, jana

(b) E:/ f2 > jana -cp D:/ f1; p2 · Jana

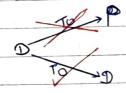
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Condition-7 :- Setti	ng classpath duoing Rumtime . means via jour program .
This is usually padrajes in Example:	done by JVM for myse only on the important of the state o
D: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Class Set Class Path { psvm() Storing cp=System.get Property ("java.class.path"); Sop (cp); System.set Peroperty ("java.
dynamically. Classpath is set as long as program gruns. Changes back to original when program run ends.	class-path", "");

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Condition-8: Using the class of 'default' package outside that 'default' package.

Rule The default package can only be used at other location nather I than its original location if the they are imposted only to default package.



Example:

3	D:/f1>Temp1.java	E:1/2 > Temp2 java
8	V	E:1/2 > Temp2.jona class Temp2 psvm()
public	Clucka biov	3 PANM()
0 000	Sop ("package p1");	new Temp1(). show();
	3	3
	,	7
		,
	Steps	

(i) E://2> set classpath = D://1;

(iii) E: /2> javac Temp2. java java Tempz