Java 8	
Prince of Javar	
a Carrier V my admod Code	
2) Functional purgramming in Object Orien	ted programi
3) To enable parallel perogramming.	
Features	2 A 1. /
1) Lambda eng-	6) Default methods in Interjacis.
Similar to methods, but they do	-> Before interface und to only
not need a name and they can be	have public abstract methods.
implemented right in the body of a	now they have default methods
method.	
$(x,y) \rightarrow x + y$	7) Static methods.
DY Stream Al. Alderoits that this compt	
27 Stream Al Physical denoits that this and purvides a set of classes, interfaces of mittodo for interfaces of mittodo for interfaces, array were	8) Functional interface. (Single abstrat)
	A foi is an interface . (Single abstrate)
- Operation on collections "	en The and abstract method To
2) 0 -1 7. 00	enadly one abstract method. To
3) Dote & Time Af! - new date-time Af! under	designate an Interface as a Functional
- new dole-time Aff under	interface, we don't need to
package java time.	use the @ Functional Interface annotation
4) Base 64 encode f decode	a) Optional.
- base 64 encoding in java 8 has	
built-in encode of de code functions	10) Improvements in Java 1/p & off
5) Method refrere & constructor enference .: operator	") Collection All ingrevent
oferator.	

Lambda Functional Interface · Interface with long single abstract · Anonymous for which metrod but can have any number of 1. does not have any name 47 defaults and states methods. We can 2. not have any setwan type functional interface. 3. not having any modifier Remove melhod of lace aurou Byore 1.8, not public abstract
methods were allowed in interfaces
(with body)
in 1.8 - D default & static method friend void add (into, Endb) & byt interface can have (concrete methods) Sout (a+b):

1 ype

Converted to Orderence You can use @ Fundional Interface.

So that no body can add Mew (int a int b) -D & System alt. prin (a) [b) methods to the total. Compiler will guess the situation or content (a,b) - System out. pountly (a+b) Defaut methods) nos de interface proste int get string len (String str) ? Before 1.8, i.e until 1.7 return Str. leng 1); on by public abstrace methods were allowed whether we declar by (String str) - 1 outurn ster length():} Writing or not (meaning no implents - Slotifality (Str) - Str. length () - D'ince java 8, we can have concerte methods as well inside interface in interface. Str - Str. length() - methods with body in interface = default Benitits - 1. To enable functional à To note code more readable maintainable and consise 3. To enable parallel par oce 4. JAR file size reduction 5. Elimination of sladow variables.

D. Static methods in interface are those methods which are figured in the interface with Keyword Static.

. (Connot be overeiden) or changed in

the implementation day.

· Static mothods contain the complete definition of the fr. (same as defaut mothers we can write defin)

See githus.

Use of lambda functions — Its give adjinition for functional interface.

intodacting of 1)?

void sayhello ().

Description of the for in Functional interface (say Hello!) O Enploye employe = () -o Software"

functional = lambae my

interface
Employee instead of overruding the ONE func
in a different
file

Above is some of "int a = 3."

O Create thread using lambda eng.

- Runnable =

both are function of Interface. (3) + Congarator

Aronymous functions inner days
ambde function can be used when acong the interfere has one method
when it has more than one method, use anonymous inner day, to
define the methods in the day
U .
Predicate (functional interface) - 9+ is introduced in Java 8. (Conditional)
It is a booken Len no. of static methods ratured function len no. of default mothods Ans I
Foredicate stores a condition just like [if else.] 30
Predicale has Onegate
@ on Predicts Used a lot in Stream lex.
3 and (filter) GisEqual.
Function (functional integral) - setures by doing lettle work or operations
Function < 3, T, R> = Function < 9 np. id, Oilput).
Has an function apply => R apply (7);
Function chaining is available.
Fundion has O compose
@ and Then - chaining veter Function'
3 identity = returns same

, ,

Consumer (fur	ational interfac).		\	
	me (in the name) it evetu	um nothing (word)),	
har = and	then.			
N				
4				
Supplier fund	Land interface).			
	V			
e e e e e e e e e e e e e e e e e e e				
			il we use	prediale
Streem.			<i>y</i>	Fundia Consume
Any Calle Tion	(we can use			Consure
Ting Courtain	/ we can use	dedarative / function	nd program	ming).
			1 0	
	5 meaning we	will we har kimet	hods	
	11.	will we fungement.		
	uke mag	(runction)		
	C. Va	(Predicate)		
		(Function) (fredicate)		
·	sed	We		
Streem is a	Sequence generates from functional program	Collection, sola	a which we	Can uso
tox	buttimed and	(
	June Diegram	~·y		
O Readabil	ity	,		
O Parnollel				
	4 /			