DATE 20/11/2024

a) Mirite a program that demonstrates exception handling in inheritance stream. Greate a lease class called "Jother" and a derived class called "Son" which extends the base class. The das father, implement a constructor which take the age and Horanes an exception "Vorang Age ()" when the input age is less Man zeen. In class "Son", implement a constructor that was both father and son's age and throws an exception if Son's Age >- fathers Age

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import	java · util Scanners	
class	Worong Age entends Exception &	
	public Worang Age (String message) &	
	Super (missage);	
3		
class	Father &	
	int age;	
	public Father (int age) throws Worong Age &	
	if (age <0) €	
	throw new Wrong Age ("Age	Carnot be
	Negative!");	
	3	
	this gage = age;	
	Lysten. out println (" Fallier's Age: "+	this age);
	3	
y		
class	Son extends Father [
	int son Age;	
	public Son (int fatherAge, int Son Age) of	Horous Wrong Aged
, .	Super (father Age);	

Scanner. dese (); Output Enter Father's Age: -1 Enter Son's Age: 10 kxception: Age Cannot be Negative لأأ Enter Father's Age: 25 Enter Son's Age: -3 tather's Age: 25 Enception: Son's Age Cannot le Negative īii> Enter Father's Age: 25 Ertu Son's Age: 30 tother's Age: 25 Exception. Son's Age Cannot be youater than Father's Age

DATE iv Enter Father's Age: 29 Enter Son's Age: 9
Tather's Age: 29
Son's Age: 9