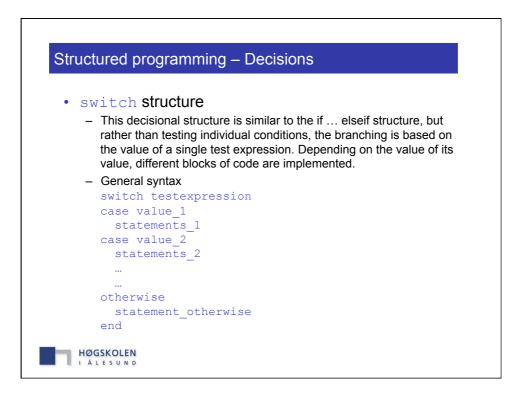
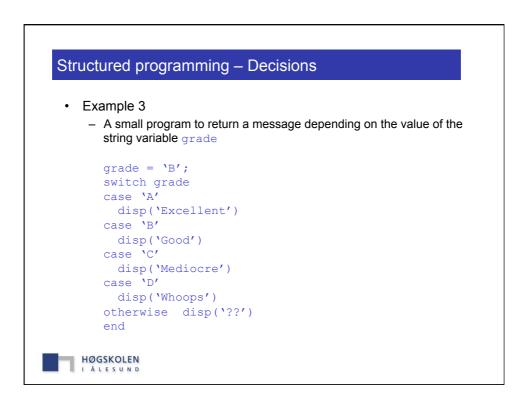
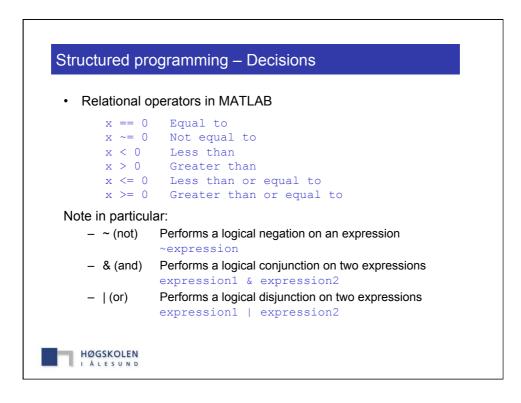
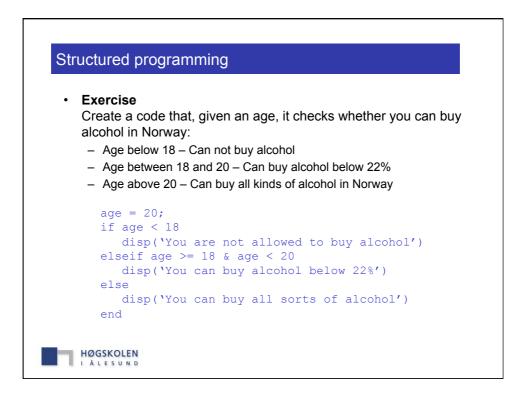


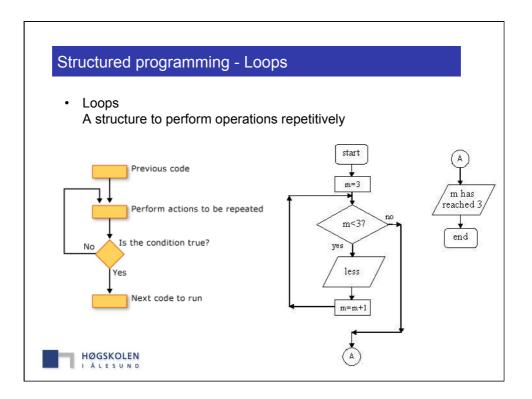
Structured programming – Decisions				
 if else stru Example 2 A programme to e 	ucture evaluate the sign of a number			
<pre>function sgn % my_sign(x) % % if x > 0 sgn = 1; elseif x < 0 sgn = -1 else sgn = 0 end</pre>	<pre>= my_sign(x) returns 1 if x is greater than 0 -1 if x is less than zero 0 if x is equal to zero</pre>			
HØGSKOLEN				

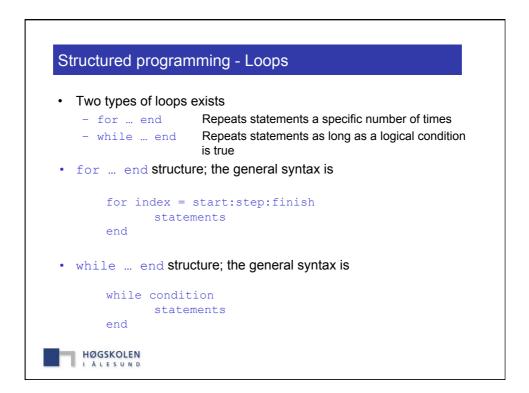


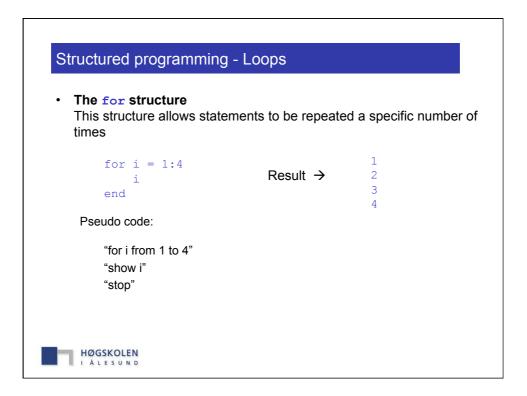




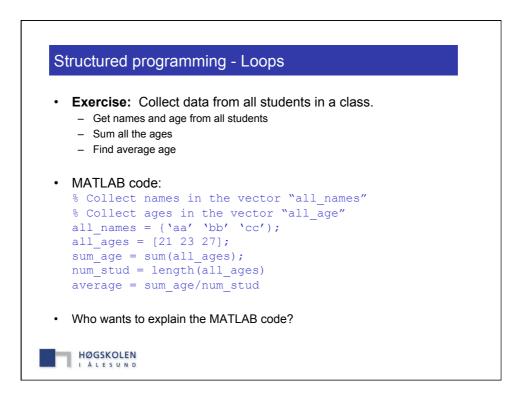


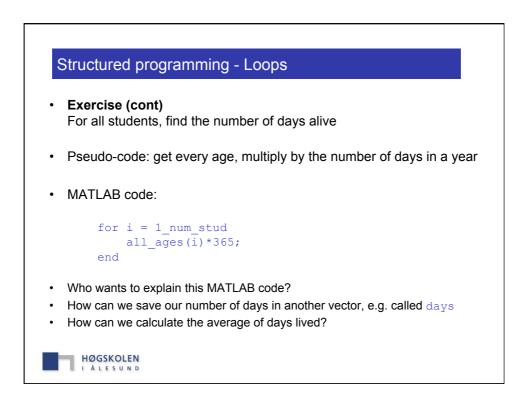


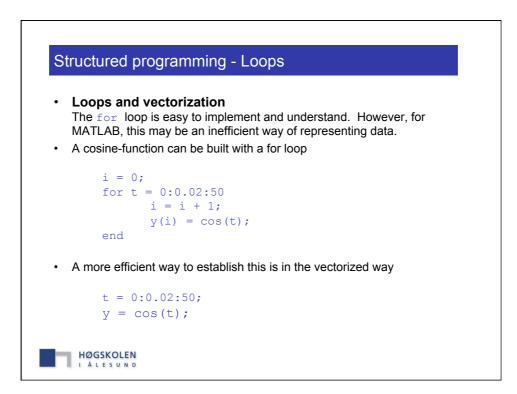


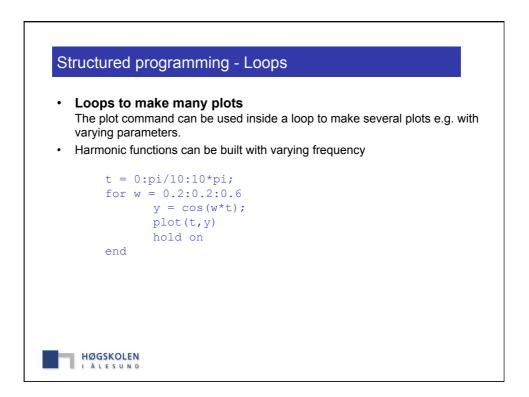


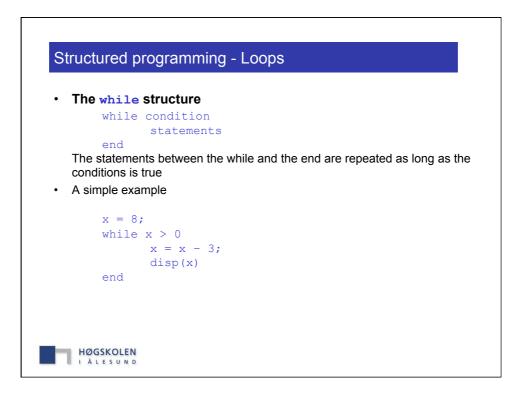
Structured programming - Loops				
,	Example 4			
	A simple function to calculate the fatcorial of a number			
	<pre>function fout = factor(n)</pre>			
	% factor(n)			
	% Computes the product of all the integres fom 1 to n			
	x = 1; % in order to provide the correct result of 0!			
	for i = 1:n			
	$x = x^{*}i;$			
	end			
	<pre>fout = x;</pre>			
	end			
-	HØGSKOLEN			
1	I Å L E S U N D			

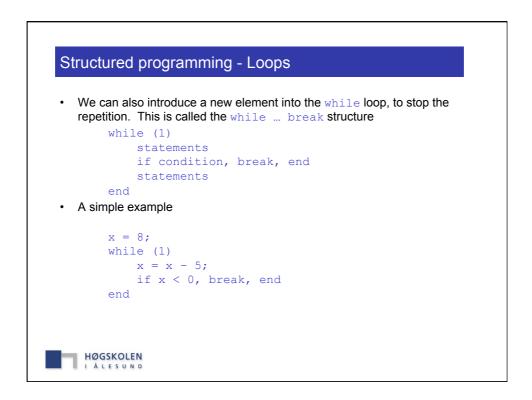


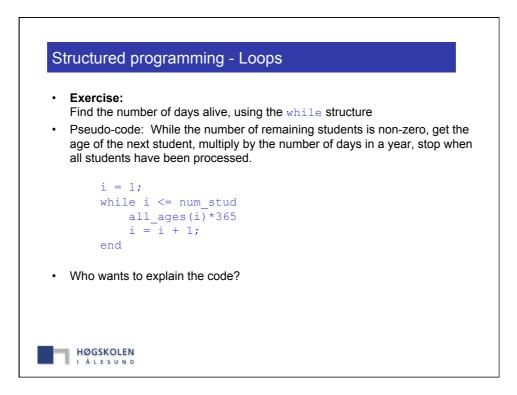


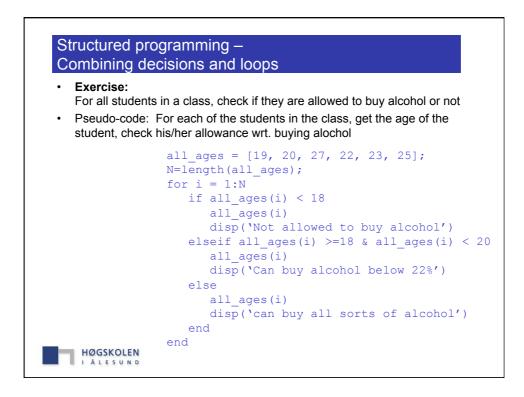


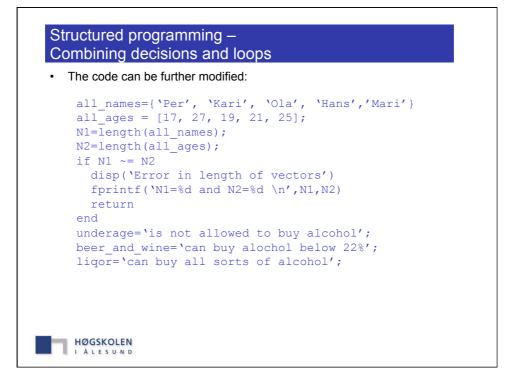


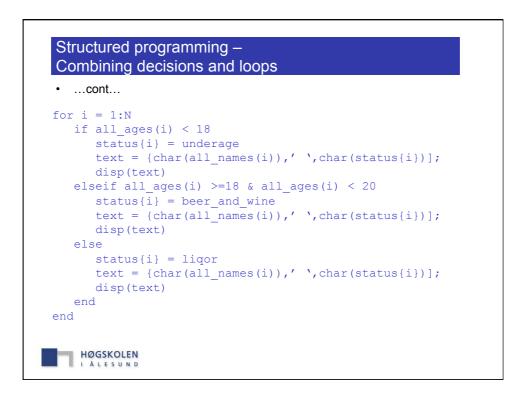


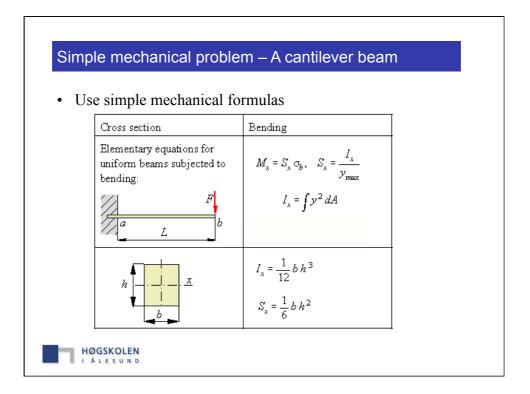


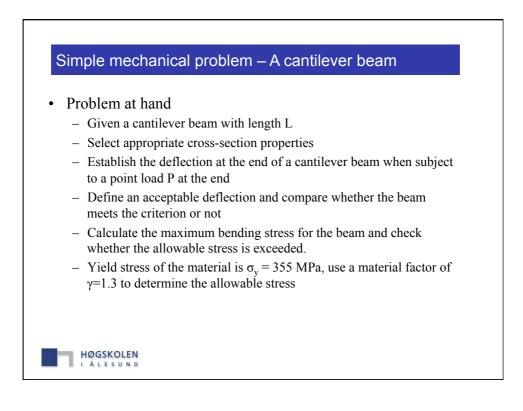


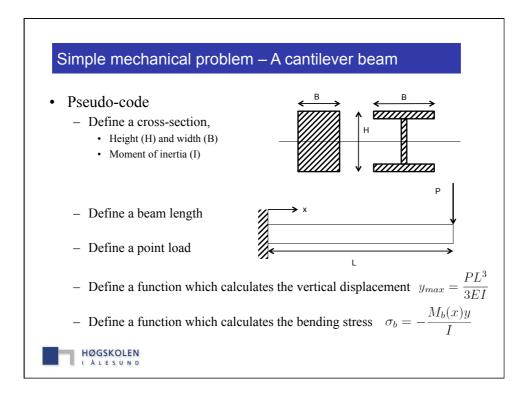


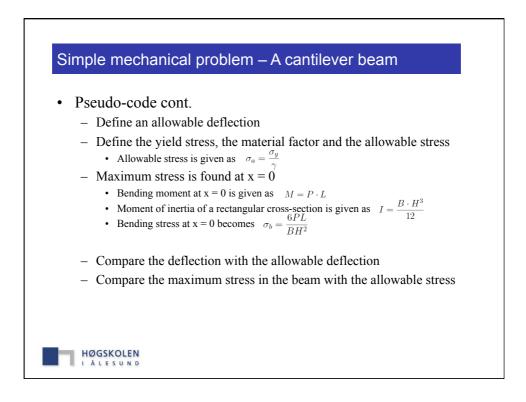


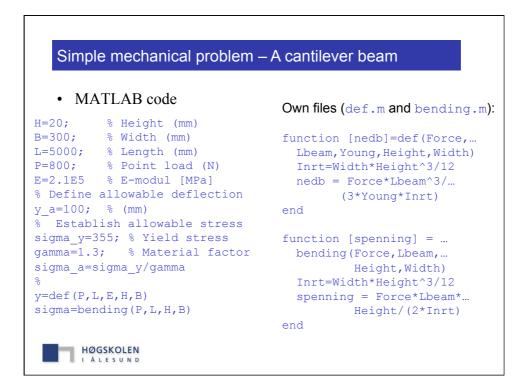












simple mechanical	problem – A cantile	
This code can be modified to test a lot of options	H=10:10:200; B=100:100:1000; L=4000:500:10000; P=600:50:1200;	% Width (mm) % Length (mm)
	<pre>%Loop over all var for i=1:length(H) for j=1:length() for k=1:leng for m=1:l y(i,j,k def(P(m),L(k), sigma(i, sigma(P(m),L(k) end end</pre>	B) th(L) ength(P) ,m)= E,H(i),B(j)) j,k,m)=
HØGSKOLEN I ÅLESUND	end end	