Problem C9. (Unified Computers and programming)

1. Write a simple package that contains
   a. A type definition
   b. Two functions called Successor and Predecessor that work exactly like Type’Succ and Type’Pred. The only difference being:
      i. Successor(Type’Last) = Type’First
      ii. Predecessor(Type’First) = Type’Last

   For example:

   type Day is (Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday);

   Successor(Sunday) = Monday
   Predecessor(Monday) = Sunday

   Turn in a hard copy of your algorithm and code listing (package specification and package body), and an electronic copy of your code.

2. Write an Ada95 program that demonstrates the functionality of your package from question 1 above. Turn a hard copy of your code listing and an electronic copy of your code.