

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.