

Assignment 2 - Theory of Programming Languages - due 22nd March

Q1. Write a program with looping and conditional statements in Ada that will count the year and your age during each year from the time you got admission in Primary Education School until the year when you passed your intermediate exam. Include a special note the year you started school and another note the year you passed your intermediate exam. Example output follows;

1. In 1985, I was 5 years old, and started School.
2. In 1986, I was 6 years old.
3. ...
4. ...
5. In , 2004 I was 19 years old, and passed intermediate exam.

Include the following libraries : `Ada.Text_IO`, `Ada.Integer_Text_IO`;

Q2. Explain the given Recursion Function of Factorial in LISP using example.

```
(defun factorial (n)
  if (= n 1)
    1
    (* n (factorial (- n 1))))
```