TUTORIAL-2
CS-676
Submission Date: 10th Feb, 2007

1. Print the output of the following e-code:

```
<'extend sys{
  !cl: list(key:it) of uint(bits:4);
  run() is also{
    var ch: uint(bits:4);
    var i: int(bits:4);
    for i from 0 to 10{
        gen ch;
        cl.add(ch);
        };
    if cl.key_exists(8) then {
      print cl;
      print cl.key_index(8);
     }
   };
 };
'>
```

2. Write a method (using an example) how to access a when subtype, which does not exist in the base struct.

3. Write an e-code with a method using if-else procedure st by default the conditional variable checked in the if-else statements are generated after the variables computed upon (in the if-else block). Show or print the anomaly. Use keep-gen-before constraint to remove the anomaly. Print the final results.