Head Recursion

- Structure for head recursion

```
Void fun( int n )
{
      if( n > 0)
   {
      fun(n-1);              // head recursion
            ………..
            ………..
            ………..
   }
}
```

- Here the first statement inside the function is recursive call and all the processing of this function will be done after that

- In head recursion the function doesn't have to process any operation at the time of function calling it has to do everything at the time of returning such functions are head recursion

Head Recursion to Loop

- Although it is possible but It is difficult to convert head recursion into a loop function