

1)

summation:

```

pushl %ebp
movl %esp, %ebp
movl 0, %edx
movl 8(%ebp), %ecx
movl 0, %eax

```

```

%eax = i
%ecx = n
%edx = sum.

```

```

Loop: addl %eax, %edx
      addl 1, %eax
      cmp %eax, %ecx
      jne Loop
      movl -4(%ebp), %edx
      movl %ebp, %esp
      popl %ebp
      ret

```

- 2- Reentrant functions are independent functions which do not use global or static data or another reentrant function. Also reentrant functions must not to modify its own code. The function above is not reentrant. Because it does not use any global or static data. It takes variables as argument. Also, it doesn't change its own code.