VkAttachmentDescription

void vkDestroyRenderPass(

const VkAllocationCallbacks* pAllocator);

VkDevice

VkRenderPass

```
VK_FORMAT_R32_UINT = 98,
                                                                                                  VK_FORMAT_R32_SINT = 99,
                                                                                                  VK_FORMAT_R32_SINT = 99,

VK_FORMAT_R32_SFLOAT = 100,

VK_FORMAT_R32G32_UINT = 101,

VK_FORMAT_R32G32_SINT = 102,

VK_FORMAT_R32G32_SFLOAT = 103,
         for VkRenderPass
                                                                                                  VK_FORMAT_R32G32B32_VINT = 104,

VK_FORMAT_R32G32B32_SINT = 105,

VK_FORMAT_R32G32B32_SFLOAT = 106,

VK_FORMAT_R32G32B32_SFLOAT = 107,

VK_FORMAT_R32G32B32A32_VINT = 108,
                                                                                                  VK_FORMAT_R32G32B32A32_SFLOAT = 109,
                                                                                              } VkFormat;
                                                                                             typedef enum VkSampleCountFlagBits {
                                                                                                  VK_SAMPLE_COUNT_1_BIT = 0x00000001,
                                                                                                  VK_SAMPLE_COUNT_2_BIT = 0x000000002,
                                                                                                  VK_SAMPLE_COUNT_4_BIT = 0x000000004,
                                                                                                  VK_SAMPLE_COUNT_8_BIT = 0x000000008
                                                                                                  VK_SAMPLE_COUNT_16_BIT = 0x000000010,
VK_SAMPLE_COUNT_32_BIT = 0x00000020,
                                                                                                  VK_SAMPLE_COUNT_64_BIT = 0x00000040,
                                                                                             } VkSampleCountFlagBits;
   typedef struct VkAttachmentDescription {
         VkAttachmentDescriptionFlags flags;// usually 0
         VkFormat
                                                   format;
                                                                                             typedef enum VkAttachmentLoadOp {
         VkSampleCountFlagBits
                                                   samples 
                                                                                                  VK_ATTACHMENT_LOAD_OP_LOAD = 0,
         VkAttachmentLoadOp
                                                   load0p;←
                                                                                                 VK ATTACHMENT LOAD OP CLEAR = 1,
                                                   storeOp;⁴
         VkAttachmentStoreOp
                                                                                                  VK_ATTACHMENT_LOAD_OP_DONT_CARE = 2,
                                                                                               // Provided by VK_EXT_load_store_op_none
         VkAttachmentLoadOp
                                                   stencilLoad0p;←
                                                                                                 VK_ATTACHMENT_LOAD_OP_NONE_EXT = 1000400000,
         VkAttachmentStoreOp
                                                   stencilStoreOp; ←
                                                                                             } VkAttachmentLoadOp;
         VkImageLayout
                                                   initialLayout;←
         VkImageLayout
                                                   finalLayout;
   } VkAttachmentDescription;
                                                                                             typedef enum VkAttachmentStoreOp {
                                                                                                VK_ATTACHMENT_STORE_OP_STORE = 0,
VK_ATTACHMENT_STORE_OP_DONT_CARE = 1,
// Provided by VK_VERSION_1_3
                                                                                                 VK_ATTACHMENT_STORE_OP_NONE = 1000301000,
                                                                                               // Provided by VK_KHR_dynamic_rendering
VK_ATTACHMENT_STORE_OP_NONE_KHR = VK_ATTACHMENT_STORE_OP_NONE,
                                                                                               // Provided by VK_QCOM_render_pass_store_ops
VK_ATTACHMENT_STORE_OP_NONE_QCOM = VK_ATTACHMENT_STORE_OP_NONE,
// Provided by VK_EXT_load_store_op_none
                                                                                                  VK_ATTACHMENT_STORE_OP_NONE_EXT = VK_ATTACHMENT_STORE_OP_NONE,
                                                                                             } VkAttachmentStoreOp;
                                                                                              typedef enum VkImageLayout {
                                                                                                  VK_IMAGE_LAYOUT_UNDEFINED = 0,
                                                                                                  VK_IMAGE_LAYOUT_GENERAL = 1,
                                                                                                  VK_IMAGE_LAYOUT_COLOR_ATTACHMENT_OPTIMAL = 2,
                                                                                                  VK_IMAGE_LAYOUT_DEPTH_STENCIL_ATTACHMENT_OPTIMAL = 3,
VK_IMAGE_LAYOUT_DEPTH_STENCIL_READ_ONLY_OPTIMAL = 4,
                                                                                                  VK_IMAGE_LAYOUT_SHADER_READ_ONLY_OPTIMAL = 5,
VkRenderPass
                                                                                                  VK_IMAGE_LAYOUT_TRANSFER_SRC_OPTIMAL = 6,
VK_IMAGE_LAYOUT_TRANSFER_DST_OPTIMAL = 7,
                                                                                                  VK_IMAGE_LAYOUT_PREINITIALIZED = 8,
        VkRenderPassCreateInfo
                                                                                              } VkImageLayout;
        sType = VK_STRUCTURE_TYPE_RENDER_PASS_CREATE_INFO;
                                                                                      VkAttachmentDescription
        pNext = nullptr;
        flags = 0;
                                                                                         for VkRenderPass
        attachmentCount;
        pAttachments;
                                                                                       VkSubpassDescription
                                                                                         for VkRenderPass
        subpassCount;
        pSubpasses;₄
        dependencyCount;
                                                                                       VkSubpassDependency
        pDependencies;
                                                                                          for VkRenderPass
             VkResult vkCreateRenderPass(
                   VkDevice
                                                              device,←
                                                                                      VkDevice
                  const VkRenderPassCreateInfo* pCreateInfo,
                   const VkAllocationCallbacks*
                                                              pAllocator,
                   VkRenderPass*
                                                              pRenderPass -
                                                                                     VkRenderPass
             );
```

VkDevice

VkRenderPass

device,←

renderPass,

typedef enum VkFormat {