ECE 153B: Lab 1 Turn-in Questions
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1.

For the first bit:

```
GPIO_MODER_MODE11_0 // 0x00400000U
```

For the second bit:

```
GPIO_MODER_MODE11_1 // 0x00800000U
```

2.
```
// set mode of PC7 to output (01)
GPIOC->MODER |=  GPIO_MODER_MODE7_0; // 0x00004000U
GPIOC->MODER &= ~GPIO_MODER_MODE7_1; // 0x00008000U
```

3.
```
uint16_t data_pc3 = ((GPIOC->IDR & GPIO_IDR_ID3) == GPIO_IDR_ID3);
// GPIO_IDR_ID3 is ((uint32_t)0x00000008U)
```

`data_pc3` will be 0 if the pin is low and 1 if the pin is high.