

```
// The selectMuxPin function sets the S0, S1, and S2 pins  
// accordingly, given a pin from 0-7.
```

```
void selectMuxPin1(byte pin)  
{  
  for (int i=0; i<3; i++)  
  {  
    if (pin & (1<<i))  
      digitalWrite(selectPins1[i], HIGH);  
    else  
      digitalWrite(selectPins1[i], LOW);  
  }  
}
```

```
void selectMuxPin2(byte pin)  
{  
  for (int i=0; i<3; i++)  
  {  
    if (pin & (1<<i))  
      digitalWrite(selectPins2[i], HIGH);  
    else  
      digitalWrite(selectPins2[i], LOW);  
  }  
}
```