

```
//for use with Techspace Learning Shift Register module.
```

```
int data = 4;
int latch = 5;
int klock = 6;

void setup() {
  pinMode(data,OUTPUT);
  pinMode(klock,OUTPUT);
  pinMode(latch,OUTPUT);
}

void Hi(){
  digitalWrite(data,1);
  digitalWrite(klock,1);
  digitalWrite(klock,0);
}

void Lo(){
  digitalWrite(data,0);
  digitalWrite(klock,1);
  digitalWrite(klock,0);
}

void Latch(){
  digitalWrite(latch,1);
  digitalWrite(latch,0);
}

//segG,segF,segE,segD,segC,segB,segA, n/a
void ZERO(){Lo();Hi();Hi();Hi();Hi();Hi();Hi();Lo();}
void ONE(){Lo();Lo();Lo();Lo();Hi();Hi();Lo();Lo();}
void TWO(){Hi();Lo();Hi();Hi();Lo();Hi();Hi();Lo();}
void THREE(){Hi();Lo();Lo();Hi();Hi();Hi();Hi();Lo();}
void FOUR(){Hi();Hi();Lo();Lo();Hi();Hi();Lo();Lo();}
void FIVE(){Hi();Hi();Lo();Hi();Hi();Lo();Hi();Lo();}
void SIX(){Lo();Hi();Hi();Hi();Hi();Lo();Hi();Lo();}
void SEVEN(){Lo();Lo();Lo();Lo();Hi();Hi();Hi();Lo();}
void EIGHT(){Hi();Hi();Hi();Hi();Hi();Hi();Hi();Lo();}
void NINE(){Hi();Hi();Lo();Hi();Hi();Hi();Hi();Lo();}

void loop() {
  ZERO();
  Latch();
  delay(1000);
  ONE();
  Latch();
  delay(1000);
  TWO();
  Latch();
  delay(1000);
  THREE();
  Latch();
  delay(1000);
  FOUR();
  Latch();
  delay(1000);
  FIVE();
  Latch();
  delay(1000);
  SIX();
  Latch();
  delay(1000);
  SEVEN();
  Latch();
  delay(1000);
  EIGHT();
  Latch();
  delay(1000);
  NINE();
  Latch();
  delay(1000);
}
```