0-9 counter in loop

```
int count;
void main() {
trisb=0x00;
portb=0x00;
count=0;

while(1){

portb=count;
delay_ms(500);
count++;

if(count>=9){
portb=count;
delay_ms(500);
portb=0;
count=0;
}
}

/// Another way
while(1){
portb=portb+1;
delay_ms(500);

if(portb>=9){
portb=0;
delay_ms(500);
}

}

}
```

Push button 0-9 counter

```
int count;
void main() {
trisb=0x00;
portb=0x00;
trisd=0xFF;
count=0;

while(1){

if(portd.f0==0){
portb=portb+1;
delay_ms(300);
count++;

if(count>9){
portb=0;
count=0;
delay_ms(300);

}
}}}
```

0 To 99 counter

```
int flag;

void main()
{
flag=0;
trisb=0;
portb=0;
trisd=0;
portd=0;

while (1)
{

while(flag!=9){
///// 0 to 9 repeatedlly
while(portb!=9){
delay_ms(100);
portb = portb+1;
portd = 2;
delay_ms(10);
}
////// 0 to 9 one time
flag++;
portb = flag;
portd = 1;
delay_ms(10);

}

///// redefined values
delay_ms(200);
flag=0;
portb=0;
}

}
```

Display a number using multiplexing

```
void main()
{

trisb=0;
portb=0;
trisd=0;
portd=0;
while (1)
{

portb = 6;
portd = 2;
delay_ms(10);

portb = 3;
portd = 1;
```

```
delay_ms(10);


}
}
```