

Assignment No: 6

Code:

```
// C++ code
//
int counter = 0;
void setup()
{
  Serial.begin(9600);
  pinMode(7,OUTPUT);
  pinMode(8,OUTPUT);
  pinMode(9,OUTPUT);
}
void loop() {
  if(counter == 31)
  {
    counter=0;
  }
  if(counter < 31)
  {
    Serial.println(counter);
  }
  counter = counter + 1;
  delay(100);
  if(counter > 0 && counter < 11 )
  {
    digitalWrite(7,HIGH);
    digitalWrite(8,LOW);
    digitalWrite(9,LOW);
  }
  if(counter > 10 && counter < 21 )
  {
```

```
digitalWrite(7,LOW);  
digitalWrite(8,HIGH);  
digitalWrite(9,LOW);  
}  
if(counter > 20 && counter < 31 )  
{  
digitalWrite(7,LOW);  
digitalWrite(8,LOW);  
digitalWrite(9,HIGH);  
}  
}
```

Output:

