```
char Incoming_value = 0; //Variable for storing Incoming_value
int AC=8;
int TV=7;
int light=13;
int night_lamp=6;
int fan=9;
int cooler=11;

void setup()
{
  Serial.begin(9600);         //Sets the data rate in bits per second (baud) for
serial data transmission
  pinMode(AC, OUTPUT);        //Sets digital pin 13 as output pin
  pinMode(TV, OUTPUT);
  pinMode(light, OUTPUT);
  pinMode(night_lamp, OUTPUT);
  pinMode(fan, OUTPUT);
  pinMode(cooler, OUTPUT);
}
void loop()
{
  if(Serial.available() > 0)
  {
    Incoming_value = Serial.read();
   Serial.print(Incoming_value);
    Serial.print("\n");
    if(Incoming_value == '1')
    {
      digitalWrite(AC, HIGH);
    }
   else if(Incoming_value == '2')
    {
      digitalWrite(AC, LOW);
    }

   if(Incoming_value == '3')
   {//Checks whether value of Incoming_value is equal to 1
      digitalWrite(TV, HIGH);
   }//If value is 1 then LED turns ON
   else if(Incoming_value == '4')
   {//Checks whether value of Incoming_value is equal to 0
      digitalWrite(TV, LOW);
  }//If value is 0 then LED turns OFF

   if(Incoming_value == '5')
   {//Checks whether value of Incoming_value is equal to 1
```

```
    digitalWrite(light, HIGH);
   }//If value is 1 then LED turns ON
   else if(Incoming_value == '6')
   {//Checks whether value of Incoming_value is equal to 0
    digitalWrite(light, LOW);
   }//If value is 0 then LED turns OFF


   if(Incoming_value == '7')
   {//Checks whether value of Incoming_value is equal to 1
    digitalWrite(night_lamp, HIGH);
   }//If value is 1 then LED turns ON
   else if(Incoming_value == '8')
   {//Checks whether value of Incoming_value is equal to 0
    digitalWrite(night_lamp, LOW);
   }//If value is 0 then LED turns OFF

   if(Incoming_value == '9')
   {
    digitalWrite(cooler, HIGH);
   }
   else if(Incoming_value == 'a')
   {
    digitalWrite(cooler, LOW);
   }

   if(Incoming_value == 'b')
   {
    digitalWrite(fan, HIGH);
   }
   else if(Incoming_value == 'c')
   {
    digitalWrite(fan, LOW);
   }
  }
}
```