**ADEYORUBADUINO LIBRARY DICTIONARY**

This document maps Arduino programming functions to their Yoruba equivalents, with descriptions for reference. It will be updated regularly as new components and functions are added.

**VERSION:** 1.0.0

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**LIBRARY NAME:** AdeYoruaDuino.h

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**Data Types**

|  |  |  |
| --- | --- | --- |
| **Yoruba** | **English** | **Description** |
| Iye | Int | (whole number) |
| iyePipin | Float | (decimal) |
| iyePipinGiga | Double | (double) |
| iyeGiga | Long | (long) |
| iyeGigaRere | unsigned long | (unsigned long) |
| iyeKukuru | Short | (short) |
| Oro | Char | (a single letter) |
| oroPupo | String | (text) |
| Otito | Bool | (true/false) |

**Constants**

|  |  |  |
| --- | --- | --- |
| **Yoruba** | **English** | **Description** |
| JADE | OUTPUT | OUTPUT |
| WOLE | INPUT | INPUT |
| FA\_SOKE | INPUT\_PULLUP | INPUT\_PULLUP |
| TAN | HIGH | HIGH |
| PA | LOW | LOW |

**Timing & Math**

|  |  |  |
| --- | --- | --- |
| Yoruba | English | Description |
| Duro | delay | (milliseconds) |
| duroFun | Delay | Microseconds |
| kaAago | pulseIn | pulseIn |
| Daako | map | To re-map |

**Digital & Analog I/O**

|  |  |  |
| --- | --- | --- |
| **Yoruba** | **English** | **Description** |
| ipoAbere | pinMode | Describes the pins |
| koAbere | digitalWrite | Write to digital pins |
| kaAbere | digitalRead | Read from digital pins |
| koAmon | analogWrite | Write to analog pins |
| kaAmon | analogRead | Read from analog pins |

**Serial Communication**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| bereAworan(...) | Serial.begin(...) |
| teAworan(...) | Serial.print(...) |
| teAworanLaini(...) | Serial.println(...) |
| kaAworan | Serial.read |
| kaAworanLaini | Serial.readStringUntil |
| geku | trim |

**Conditions & Logic**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| Ti | If |
| Bibeko | Else |
| bibekoTi | else if |
| nigbaTi | While |
| Fun | For |
| TABI | || (OR) |
| ATI | && (AND) |

**Servo**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| SAVO | Servo |
| soPo | Attach |
| yaSoPo | Detach |
| Ko | write(angle) |
| kaIgun | Read |
| koIdurofun | writeMicroseconds |

**Stepper Motor**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| motoIgbese | Stepper |
| seEre | setSpeed |
| gbeIgbese | Step |

**LCD**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| IFIHAN | LiquidCrystal |
| bereIfihan | Begin |
| koIfihan | Print |
| nuIfihan | Clear |
| ipoIfihan | setCursor |

**DHT Sensor**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| OORU | DHT |
| bereOoru | Begin |
| kaOtutu | readTemperature |
| kaOoru | readHumidity |

**I2C / Wire**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| OKAN | Wire |
| bereOkan | Begin |
| bereIfiranse | beginTransmission |
| koIfiranse | Write |
| pariIfiranse | endTransmission |
| bereGbigbaLati | requestFrom |
| kaIfiranse | Read |

**SPI**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| AYEKA | SPI |
| bereAyeka | Begin |
| ranseAyeka | Transfer |
| pariAyeka | End |

**EEPROM**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| IRANTI | EEPROM |
| kaIranti | Read |
| koIranti | Write |
| tunseIranti | Update |
| gigunIranti | Length |

**WiFi**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| AIFOJU | WiFi |
| bereAsopọ | Begin |
| ipoAsopọ | Status |
| ipAgbegbe | localIP |
| yaAsopọ | Disconnect |

**Bluetooth (via SoftwareSerial)**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| ERO | SoftwareSerial |
| bereEro | Begin |
| eroWa | Available |
| kaEro | Read |
| koEro | Write |

**IR Remote**

|  |  |
| --- | --- |
| **Yoruba** | **English** |
| gbaIR | IRrecv |
| itumoAbajade | decode\_results |
| bereIR | enableIRIn |
| itumo | Decode |
| tesiwaju | Resume |
| iyeIR | Value |