**Functions:**

- Functions is a block of code that has a name and a block of statements that are executed when the function is called.
- Functions are declared by declaring the function type.
- This is the type of value to be returned by the function such as int for integer type function.
- If no value is to be returned the function would be void.
- After type, declare the name given to the function and in () any parameters being passed to the function.

```
type    functionName (parameters)

{

    Statements;

}
```

**return**

- Terminate a function and return a value from a function to the calling function, if desired.

The following code is comparing the sensor's input and return the value from the function

```
int checkSensor() {
  if (analogRead(0) > 400) {
    return 1;
  }
  else {
    return 0;
  }
}
```