**Coding Standard Template**

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| --- | --- |
| Purpose | To guide the development of Node JS programs |
| Program Headers | Begin all programs with a descriptive header. |
| Header Format | /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  /\* Program Assignment: PSP0.1 \*/  /\* Name: Sidar Yuksel \*/  /\* Date: 03/04/2019 \*/  /\* Description: Satir Sayisi Hesaplama \*/  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/ |
| Listing Contents | Provide a summary of the listing contents. |
| Contents  Example | /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  /\* Listing Contents: \*/  /\* Reuse instructions \*/  /\* require() \*/  /\* Modification instructions \*/  /\* XLSX.utils.book\_new() \*/  /\* Purpose: Creating new workbook \*/  /\* XLSX.writeFile() \*/  /\* Purpose: Writing info into excel file \*/  /\* Compilation instructions \*/  /\* console.log() \*/  /\* Purpose: Printing info on Console screen \*/  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/ |
| Reuse Instructions | * Describe how the program is used. Provide the declaration format, parameter values and types, and parameter limits. * Provide warnings of illegal values, overflow conditions, or other conditions that could potentially result in improper operation. |
| Reuse Example | /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  /\* Reuse instructions \*/  /\* require() \*/  /\* Purpose: to include a module, use the function with the name of the module \*/  /\* Reuse instructions \*/  /\* readFileSync() \*/  /\* Purpose: reading file any type of doc \*/  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/ |
| Identifiers | Use descriptive names for all variables, function names, constants, and other identifiers. Avoid abbreviations or single letter variables. |
| Identifier Example | If identifier is 2 and more words, first word start with lowercase, second and other words start with uppercase. |
| Comments | * Document the code so that the reader can understand its operation. * Comments should explain both the purpose and behavior of the code. * Comment variable declarations to indicate their purpose. |
| Good Comment | //Excelden dosya oku |
| Bad Comment | //Excelden dosya okumak istiyorum |
| Major Sections | Precede major program sections by a block comment that describes the processing that is done in the next section |
| Example | //Excele satır sayılarını yazdır |
| Blank Spaces | * Write programs with sufficient spacing so they do not appear crowded. * Separate every program construct with at least one space. |
| Blank Spaces Example | }  }  console.log('\nVaryans Hesaplama dosyasinin FOR dongusu sayisi: '+ forSayisiVaryansHesaplama); |
| Indenting | * Indent every level of brace from the previous one. * Open and closing braces should be on lines by themselves and aligned with each other. |
| Indenting  Example | for (let i=0; i<dosyaOkuSatirHesaplama.length; i++){  if(dosyaOkuSatirHesaplama.slice(i,i+5) === 'for (' || dosyaOkuSatirHesaplama.slice(i,i+4) === 'for(' ){  ++forSayisiSatirHesaplama;  } |
| Capitalization | * Capitalized all defines. * Lowercase all other identifiers and reserved words. * Messages being output to the user can be mixed-case so as to make a clean user presentation. |
| Capitalization Example | let forSayisiSatirHesaplama=0; |