**def main(self):**

* Calls **def select\_docs(self):**
  + Select the docx (Exam Bill Demo.docx).
* Calls **def** **self.select\_sample\_excel(self):**
  + Select the sample excel (sample.xlsx).
* Calls **def generate\_excel\_from\_docs(self):**
  + Calls **self.extract\_data\_from\_docx()**
    - Calls def **self.extract\_department\_line()**
      * Get*self.dept*
      * Calls **self.dept\_translate\_to\_bengali(self.dept.lower())**
        + Translate *dept* (Mother Department)
    - Calls **def self.extract\_year\_and\_term()**
      * Get*self.year*
      * Calls **self.convert\_year\_term\_suffixes\_to\_bengali(self.year)**
        + Translate *year*
      * Get*self.term*
      * Calls **self.convert\_year\_term\_suffixes\_to\_bengali(self.term)**
        + Translate *term*
      * Get *self.AD*
      * Calls **self.convert\_year\_term\_suffixes\_to\_bengali(self.term)**
        + Translate *AD*
    - Write the global information into sample.xlsx
    - Generate all\_tables.xlsxbased on sample.xlsx(It includes all the tables from Exam Bill Demo.docx file).
* Calls **def process\_first\_excel(self):**
  + Create excel file for every teacher.
    - Extract *name*, *designation*, *department*(teachersdepartment)
    - Calls def **print\_matching\_value\_for\_file(self, new\_file, name, designation, department)**
      * Get some information
      * Calls **self.translate\_to\_bengali(name)**
        + Check if **def self.should\_skip\_translation(part)**

Return true if part(text) is special, else return false

* + - * + Translate the name
      * Calls **self.translate\_to\_bengali(designation)**
        + Check if **def self.should\_skip\_translation(part)**

Return true if part(text) is special, else return false

* + - * + Translate the designation
      * Calls **self.dept\_translate\_to\_bengali(department.lower())**
        + Translate dept (department)
      * Get the bills for the corresponding teacher from the all\_tables.xlsx*.*
      * Determine which bills is needed to write in which cell.
      * Calls **def english\_to\_bengali\_number\_in\_words(self, english\_number):**
        + Translate *amount*
  + Calls **self.clear\_labels()**