**PYTHON DOCX HANDLING:**

1. **Create a document:**

# Import docx NOT python-docx  
import docs  
  
# Create an instance of a word document  
doc = docx.Document()  
  
# Now save the document to a location  
doc.save('newFile.docx')

1. **Add Header to the document**

from docx import Document  
  
doc = Document()  
  
# add a heading of level 0 (largest heading)  
header=doc.add\_heading("Table of Content", 0)  
# It will add the header to the document  
  
header.alignment=2  
  
# It will set the header allignment in center  
# center - 1  
# left - 0  
# Right - 2  
# Justify - 3  
  
doc.save("E:\\docx\\file.docx")

1. **Add multiple Header to the document**

# Import docx NOT python-docx  
import docx  
  
# Create an instance of a word document  
doc = docx.Document()  
  
# Add a heading of level 0 (Also called Title)  
doc.add\_heading('Title for the document', 0)  
  
# Add a heading of level 1, Size is low compared to level 0  
doc.add\_heading('Heading level 1', 1)  
  
# Add a heading of level 2, Size is low compared to level 0  
doc.add\_heading('Heading level 2', 2)  
  
# Add a heading of level 3, Size is low compared to level 0  
doc.add\_heading('Heading level 3', 3)  
  
# Add a heading of level 4, Size is low compared to level 0  
doc.add\_heading('Heading level 4', 4)  
  
# Add a heading of level 5, Size is low compared to level 0  
doc.add\_heading('Heading level 5', 5)  
  
# Add a heading of level 6, Size is low compared to level 0  
doc.add\_heading('Heading level 6', 6)  
  
# Add a heading of level 7, Size is low compared to level 0  
doc.add\_heading('Heading level 7', 7)  
  
# Add a heading of level 8, Size is low compared to level 0  
doc.add\_heading('Heading level 8', 8)  
  
# Add a heading of level 9, Size is low compared to level 0  
doc.add\_heading('Heading level 9', 9)  
  
# Now save the document to a location  
doc.save('MultipleHeader.docx')

1. **Adding Header to the Document**

#adding word in footer  
from docx import Document  
  
import Utility  
  
document = Document()  
section = document.sections[0]  
footer = section.footer  
footer\_para = footer.paragraphs[0]  
  
# Adding the left zoned footer  
footer\_para.text ="Confidential\nAGARAM Technologies \t\tPage"  
#\t - Centre alignment  
#\t\t - Right alignment  
  
document.save(Utility.projectDirectory()+"footer.docx")

1. **Setting the font color**

# Create an instance of a word document  
import Utility  
  
doc = docx.Document()  
  
# Adding paragraph with Increased font size  
doc.add\_heading('\tIncrease Font Size', 3)  
  
para = doc.add\_paragraph().add\_run('Murali')  
# Increasing size of the font  
para.font.size = Pt(30)  
  
  
doc.save(Utility.projectDirectory()+"8.SettingTheFontSize.docx")

1. **Setting the Font color**

#To apply a font colour to the text you have to first create a paragraph object then you have to use add\_run() method to add content. You can directly use add\_paragraph() method to add paragraph but if you want to apply a font colour to a text you have to use add\_run() as all the block-level formatting is done by using add\_paragraph() method while all the character-level formatting is done by using add\_run()  
  
import docx  
from docx.shared import RGBColor  
  
# Create an instance of a word document  
import Utility  
  
doc = docx.Document()  
  
# Add a Title to the document  
doc.add\_heading('Setting the color', 0)  
  
para = doc.add\_paragraph().add\_run('Murali')  
  
# Adding forest green colour to the text  
# RGBColor(R, G, B)  
para.font.color.rgb = RGBColor(0x22, 0x8b, 0x22)  
  
# Now save the document to a location  
doc.save(Utility.projectDirectory()+"9.SettingTheFontColor.docx")

1. **Setting the Font style**

# Import docx NOT python-docx  
import docx  
  
# Create an instance of a word document  
doc = docx.Document()  
  
  
para = doc.add\_paragraph().add\_run('GeeksforGeeks is a Computer Science portal for geeks.')  
  
# Setting new font style  
para.font.name = 'Roboto'  
  
# Adding paragraph with default font Style  
doc.add\_heading('Font Style: Default [Cambria]', 3)  
doc.add\_paragraph(  
 'GeeksforGeeks is a Computer Science portal for geeks.')  
  
# Now save the document to a location  
doc.save('gfg.docx')

1. **Create a table in the document**

table = doc.add\_table(rows=7, cols=3 ,style="Table Grid")

1. **Background color of the cells in the table**

Shading\_elm\_1 = parse\_xml(r'<w:shd {} w:fill="#757575"/>'.format(nsdecls('w')))  
table.rows[0].cells[0].\_tc.get\_or\_add\_tcPr().append(shading\_elm\_1)

1. **Hight of the rows in the table**

table.rows[0].height = Cm(1)