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# CS555-WS - Agile Methods for software development #
# Paveethra Raman Krishnakumar #
project02_test.py
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import sys
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GEDCOM_FILE = 'Family.ged'
VALID_TAGS = ['INDI', 'NAME', 'SEX', 'BIRT', 'DEAT',
              'FAMC', 'FAMS', 'FAM', 'MARR', 'HUSB', 'WIFE',
              'CHIL', 'DIV', 'DATE', 'HEAD', 'TRLR', 'NOTE']
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```
def process_GEDCOM_File(file): l = []
    with open(file, 'r') as f: l =
        f.readlines()
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```
    # redirecting console print to text file using sys in project02_output.txt sys.stdout =
    open("project02_output.txt", 'w')
    print('*****Output Auto printed*****') print('*****Submitted by
    Paveethra Raman Krishnakumar*****') print("")
    print('project02 output is as below :-') print("")
```

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    for lines in l:
        lines = lines.replace("\n", "")
        # Print lines that are given as input and indicate with --> arrow print('-->
        {0}'.format(lines))

        # Processing required output tag_index = 2 if
        'INDI' in lines or (
            'FAM' in lines and 'FAMS' not in lines and 'FAMC' not in lines) else 1 field = lines.split(' ')
        tag = field[tag_index]
        valid_lines = 'Y' if tag in VALID_TAGS else 'N' level = field[0]
        field.pop(tag_index)
        field.pop(0)
        # Print lines as output and indicate with <-- arrow print('<--
        {0}|{1}|{2}|{3}'.format(level,
                                tag, valid_lines, ''.join(field)))

    f.close()
    sys.stdout.close()
```

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def main():
    process_GEDCOM_File(GEDCOM_FILE)
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if __name__ == '__main__': main()
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