

Question 8 - An organization wants to calculate the % of time they spent on each process for their product development. Visualize the data using funnel chart with the data given below.

ProductDevelopmentSteps TimeSpent(in hours) RequirementElicitation 50 RequirementAnalysis 110 SoftwareDevelopment 250 Debugging&Testing 180 Others 70

```
In [ ]: pip install pygal
```

```
Collecting pygal
  Downloading pygal-3.0.0-py2.py3-none-any.whl (129 kB)
Installing collected packages: pygal
Successfully installed pygal-3.0.0
Note: you may need to restart the kernel to use updated packages.
```

```
In [ ]: pip install cairosvg
```

```
Collecting cairosvg
  Downloading CairoSVG-2.5.2-py3-none-any.whl (45 kB)
Collecting tinycss2
  Downloading tinycss2-1.1.1-py3-none-any.whl (21 kB)
Requirement already satisfied: defusedxml in c:\users\hp\anaconda3\lib\site-packages (from cairosvg) (0.7.1)
Collecting cairocffi
  Downloading cairocffi-1.3.0.tar.gz (88 kB)
Requirement already satisfied: pillow in c:\users\hp\anaconda3\lib\site-packages (from cairosvg) (8.2.0)
Collecting cssselect2
  Downloading cssselect2-0.4.1-py3-none-any.whl (13 kB)
Requirement already satisfied: cffi>=1.1.0 in c:\users\hp\anaconda3\lib\site-packages (from cairocffi->cairosvg) (1.14.5)
Requirement already satisfied: pycparser in c:\users\hp\anaconda3\lib\site-packages (from cffi>=1.1.0->cairocffi->cairosvg) (2.20)
Requirement already satisfied: webencodings in c:\users\hp\anaconda3\lib\site-packages (from cssselect2->cairosvg) (0.5.1)
Building wheels for collected packages: cairocffi
  Building wheel for cairocffi (setup.py): started
  Building wheel for cairocffi (setup.py): finished with status 'done'
  Created wheel for cairocffi: filename=cairocffi-1.3.0-py3-none-any.whl size=89666 sha256=597e73c09e250a4a8d032712fe341ef78bd3e1e538fc617695ddf9b9c4d74caa
  Stored in directory: c:\users\hp\appdata\local\pip\cache\wheels\f3\97\83\802b9237866102e18dlb7ac0a269769e6fccba0f63dceb9b7
Successfully built cairocffi
Installing collected packages: tinycss2, cssselect2, cairocffi, cairosvg
Successfully installed cairocffi-1.3.0 cairosvg-2.5.2 cssselect2-0.4.1 tinycss2-1.1.1
Note: you may need to restart the kernel to use updated packages.
```

```
In [ ]: import pygal
import cairosvg
```

```
In [ ]: funnell = pygal.Funnel()
```

```
In [ ]: funnell.title = 'Time Spent'
```

```
In [ ]: funnell.add('Requirement Elicitation', [50])
funnell.add('Requirement Analysis', [110])
funnell.add('Software Development', [250])
funnell.add('Debugging and Testing', [180])
funnell.add('Others', [70])
```

Out[]:

