

Code:

```
mapfunction.py - C:/Users/Prem Prateek/AppData/Local/Programs/Python/Python311/mapfunction.py (3.11.9)
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def mapv(value,in_range_start,in_range_end,out_range_start,out_range_end):
    nval=int((value-in_range_start)*(out_range_end-out_range_start)/(in_range_end - in_range_start)+out_range_start)
    return nval
values=mapv(5,0,10,0,100)
print(values)
values=mapv(2,0,5,10,20)
print(values)
```

Output:

```
= RESTART: C:/Users/Prem Prateek/AppData/Local/Programs/Python/Python311/mapfunction.py
50
14
```