

```
1 # HW 15
2
3 print("Task 1")
4 def sqrt(x):
5     result = round(x ** 0.5, 2)
6     return(result)
7 print(sqrt(25))
8
9 print("Task 2")
10 def sqrt_list(X):
11     result = []
12     for i in X:
13         result.append(round(i ** 0.5, 2))
14     return(result)
15 mylist = list(range(1, 10))
16 print(sqrt_list(mylist))
17
18 print("Task 3")
19 print(list(map(sqrt, mylist)))
20
21 print("Task 4")
22 print(list(map(lambda x: round(x ** 0.5, 2), mylist)))
23
24 print("Task 5")
25 def titlecase(old):
26     new = []
27     for i in old:
28         new.append(i.title())
29     return(new)
30 names = ["alex smith", "jane brown", "max power"]
31 names2 = titlecase(names)
32 print(names2)
33
34 print("Task 6")
35 names3 = list(map(lambda x: x.title(), names))
36 print(names3)
37
```