

10.Demonstrate implementation functional programming tools such as filter and reduce

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#1.Program to print numbers greater than 70

```
scores = [70, 60, 80, 90, 50]
```

```
filtered = []
```

```
for score in scores:
```

```
    if score >= 70:
```

```
        filtered.append(score)
```

```
print(filtered)
```

output:

```
[70, 80, 90]
```

#2. By using lambda

```
scores = [70, 60, 80, 90, 50]
```

```
filtered = filter(lambda score: score >= 70, scores)
```

```
print(list(filtered))
```

output:

```
[70, 80, 90]
```

3. Reduce function

```
from functools import reduce
```

```
reduce(lambda a,b: a+b,[23,21,45,98])
```