TMTplus Introduction to Scientific Programming

Mahdi Farnaghi, Mahdi Khodadadzadeh & Robert Ohuru

March 2021

Answers 4

Iteration

Ex 4.10
The statement (print (i)) is repeated untill the condition (i<=10) is True. It will print all the values from 1 till 10. At the end the string "Finished" is printed.

Ex 4.11
```
i=0
while i< len(movies):
    print (movies[i]) # the output is printed in a column
    i=i+1

# or we can print it in one row.

i=0
while i< len(movies):
    print (movies[i], end=",␣") # the output is printed in a row
    i=i+1
```

Ex 4.12
```
for movie in movies:
    print(movie) # the output is printed in a column

# or we can print it in one row.

for movie in movies:
    print(movie, end=",␣") # the output is printed in a row
```

Ex 4.13
```
for i in tv_shows:
    for j in i:
        print(j)
print("Finished")
```