FEU INSTITUTE OF TECHNOLOGY

COLLEGE OF COMPUTER STUDEIS
INFORMATION TECHNOLOGY DEPARTMENT

IT0011
(Integrative Programming and Technologies)

Technical Assessment

1

Introduction to Python Programming Language & Python Programming Fundamentals

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1.

Source Code:

```
test.py          ×   Run

  1 ▾    for x in range(3, 31, 3):
  2          print(x)
```

for x in range(3, 31, 3):
  print(x)

Output:

```
Last login: Thu May 20 09:35:44 2021 from 192.168.11.179
codio@lola-artist:~/workspace$ python3 test.py
3
6
9
12
15
18
21
24
27
30
codio@lola-artist:~/workspace$
```

2.

Source Code:

```
test.py          ×   Run

  1 ▾    for i in range(5):
  2          print(i)
  3      print("Passed!")
```

for i in range(5):
    print(i)
print("Passed!")

Output:

```
Last login: Thu May 20 09:42:54 2021 from 192.168.11.179
codio@lola-artist:~/workspace$ python3 test.py
0
1
2
3
4
Passed!
codio@lola-artist:~/workspace$
```

3.

Source Code:

```
test.py          ×    Run

   1        i_Num = 12345
   2        i_RevNum = 0
   3
   4        print("Given Number: " + str(i_Num))
   5 ▾      while i_Num != 0:
   6            i_Num2 = i_Num % 10
   7            i_RevNum= i_RevNum * 10 + i_Num2
   8            i_Num //= 10
   9
  10        print("Reversed Number: " + str(i_RevNum))
```

```python
i_Num = 12345
i_RevNum = 0

print("Given Number: " + str(i_Num))
while i_Num != 0:
    i_Num2 = i_Num % 10
    i_RevNum= i_RevNum * 10 + i_Num2
    i_Num //= 10

print("Reversed Number: " + str(i_RevNum))
```

Output:

```
Last login: Thu May 20 09:51:19 2021 from 192.168.11.179
codio@lola-artist:~/workspace$ python3 test.py
Given Number: 12345
Reversed Number: 54321
codio@lola-artist:~/workspace$
```

4.

Source Code:

```
test.py          ×   Run              ×
1    listA = [ 1, 11, 5, 9, 14, 7]
2    print("The original tuple is: " , end='')
3    print(listA)
4    print("The summation of tuple elements are: " , end='')
5    print(sum(listA))
```

listA = [1, 11, 5, 9, 14, 7]
print("The original tuple is: " , end=")
print(listA)
print("The summation of tuple elements are: " , end=")
print(sum(listA))

Output:

```
Last login: Thu May 20 09:55:30 2021 from 192.168.11.179
codio@lola-artist:~/workspace$ python3 test.py
The original tuple is: [1, 11, 5, 9, 14, 7]
The summation of tuple elements are: 47
codio@lola-artist:~/workspace$ 
```