



United International University
DS 1501: Programming For Data Science
Class Test 02

Marks: 20

Name: _____

ID: _____

1. Write the Manual Tracing Table for the following code. [10]

```
items = [1,2,3,4,5,6]
index=0
while index< len(items):
    temp=items[index+1]
    items[index]=temp
    index=index+1
    if index==4:
        break
    print(items)
```

2. Write a Python program to process a list of integers by calculating the average of elements at odd indices (1, 3, 5, etc.) and storing their cubes in a new list called cubed_list. [10]

Sample Input	Output
[1,2,3,4,5,0]	Average: 2.0 Cubed_list : [8,64,0]