CAS: ITDPA2-B44

Section A:

Question 1:

1.1

#Create two separate lists

#Print the second and third value in List1 by using element 1 to 3

#Print the third, fourth and fifth value in List2 by using element 2 to 5

```python
List1 = [2,7,5,64,14]
print(List1[1:3])
List2 = [12,14,95,3,73]
print(List2[2:5])
```

```
[7, 5]
[95, 3, 73]
```

1.2

```python
#Clarify the range
for f in range(4,19):
#Check if f will be even, the print f
    if (f%2 ==0):
        print(f)
```

```
4
6
8
10
12
14
16
18
```

1.3

```python
#Get rane as input from user
Input1 = int(input('Please enter an input to start with'))
Input2 = int(input('Please enter an input to end with'))
#Clarify the range
for f in range(Input1,Input2):
#Check if f will be even, the print f
    if (f%2 ==0):
        print(f)
```

```
Please enter an input to start with4
Please enter an input to end with19
4
6
8
10
12
14
16
18
```

1.4

```python
#Import the sys module for using the set data structure
import sys
#Create the class Eduvos for use in the program
class Eduvos:
    def __init__(self):
        self.Set = None

    #Create the function Getsize1 to get the size of the first set
    def Getsize1():
        #Get the First set
        Firstset = {"A",1,"B",2,"C",3}
        #Get the size of the First set
        print('Size of the First set',sys.getsizeof(Firstset))

    #Create the function Getsize2 to get the size of the second set
    def Getsize2():
        #Get the Second set
        Secondset = {"Austin","Justin","Lisa","Audine","Phillip","Owen"}
        #Get the size of the Second set
        print('Size of the Second set',sys.getsizeof(Secondset))

    #Create the function Getsize3 to get the size of the third set
    def Getsize3():
        #Get the Third set
        Thirdset = {(1,"Demi"),(2,"Xander"),(3,"Dave")}
        #Get the size of the Third set
        print('Size of the Third set',sys.getsizeof(Thirdset))


eduvos = Eduvos()
#Call Getsize1 to display the size of the First set
Getsize1()
#Call Getsize2 to display the size of the Second set
Getsize2()
#Call Getsize3 to display the size of the Third set
Getsize3()
|
```

```
Size of the First set 728
Size of the Second set 728
Size of the Third set 216
```