

```
In [2]: 1 #Add name and salary {name:salary} for n number of employees through keyboar
2 import operator
3 n=int(input("Enter no of records"))
4 d={}
5 for i in range(1,n+1):
6     name= input("Enter name %d"%(i))
7     sal=int(input("Enter salary %d"%(i)))
8     if (sal >2000 and sal< 4000):
9         d[name]=sal
10 print(d)
```

```
Enter no of records2
Enter name 1Nachi
Enter salary 13000
Enter name 2Ravi
Enter salary 21800
{'Nachi': 3000}
```

```
In [3]: 1 #Print perfect squares and divisible by 5 between 500 and 1000 (both inclusi
2 print([x for x in range(500,1001)if((x**0.5)%5==0)])
```

```
[625, 900]
```

```
In [13]: 1 #Add name and salary {name:salary} for n number of employees through keyboar
2 print([x for x in range(1001)if x%2==0 and x%5==0])
3 print()
4 print([x for x in range(1001)if x%2==1 and x%5==0])
```

```
[0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170,
180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330,
340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490,
500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650,
660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810,
820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970,
980, 990, 1000]
```

```
[5, 15, 25, 35, 45, 55, 65, 75, 85, 95, 105, 115, 125, 135, 145, 155, 165, 175,
185, 195, 205, 215, 225, 235, 245, 255, 265, 275, 285, 295, 305, 315, 325, 335,
345, 355, 365, 375, 385, 395, 405, 415, 425, 435, 445, 455, 465, 475, 485, 495,
505, 515, 525, 535, 545, 555, 565, 575, 585, 595, 605, 615, 625, 635, 645, 655,
665, 675, 685, 695, 705, 715, 725, 735, 745, 755, 765, 775, 785, 795, 805, 815,
825, 835, 845, 855, 865, 875, 885, 895, 905, 915, 925, 935, 945, 955, 965, 975,
985, 995]
```

```
In [12]: 1 #Calculate the Average of the numbers in a List by getting the elements of L
2 a=[]
3 n=int(input("Enter number of elements:"))
4 for i in range(1,n+1):
5     b=int(input("Enter element:"))
6     a.append(b)
7 print(a)
8 print(sum(a)/len(a))
```

Enter number of elements:2

Enter element:10

Enter element:5

[10, 5]

7.5

```
In [14]: 1 #Python Program to count the number of blank spaces in a text file.
2 fname = input("Enter file name: ")
3 k = 0
4
5 with open(fname, 'r') as f:
6     for line in f:
7         words = line.split()
8         for i in words:
9             for letter in i:
10                if(letter.isspace):
11                    k=k+1
12 print("Occurrences of blank spaces:")
13 print(k)
```

Enter file name: Day1\_Assignment1\_Exercise1.ipynb

Occurrences of blank spaces:

1553

```
In [15]: 1 #Add name and salary {name:salary} for n number of employees through keyboar
2
3 import operator
4 n=int(input("Enter no of records"))
5 d={}
6 for i in range(1,n+1):
7     name= input("Enter name %d"%(i))
8     mark=int(input("Enter salary %d"%(i)))
9     d[name]=mark
10    print(d)
11 sorted_a= sorted(d.items(), key=operator.itemgetter(0),reverse=False)
12 print(sorted_a)
```

```
Enter no of records2
Enter name 1Nachi
Enter salary 1500000
{'Nachi': 500000}
Enter name 2Pranav
Enter salary 2400000
{'Nachi': 500000, 'Pranav': 400000}
[('Nachi', 500000), ('Pranav', 400000)]
```

```
In [ ]: 1
```