

## Outputs:

### 1-UMS:

Option 1- Add student:

```
Enter Name : Ahmed
Enter Matric marks : 1060
Enter FSC marks : 470
Enter ECAT marks : 209
Student added.
press any key to continue...[]
```

Option 2- View added:

```

Name    SSC    FSc    Ecat    Aggregate
Ali      1050    467    195     78.90209790209789
umair    1042    462    166     76.11258741258742
Ahmed    1060    470    209     80.43898601398601
any key to continue...[]
```

Option 3- Top down sorted list:

Name	SSC	FSc	Ecat	Aggregate
Ahmed	1060	470	209	80.43898601398601
Ali	1050	467	195	78.90209790209789
umair	1042	462	166	76.11258741258742

Option 4- Bottom-up sorted:

Name	SSC	FSc	Ecat	Aggregate
umair	1042	462	190	77.91258741258741
Ahmed	1067	470	200	79.92307692307692
Ali	1080	480	250	84.83391608391608

Press any key to continue...[]

## 2 – odd OR divisible by 5(without list):

```
PS E:\semester 2\week 1> cd '.\Programming day\'
PS E:\semester 2\week 1\Programming day> python .\withoutlist.py
Enter First Number :2
Enter Second Number :3
Enter third Number :5
Enter Fourth Number :15
Enter Fifth Number :454
Enter Sixth Number :78
Enter Seventh Number :55
Enter Eighth Number :66
Enter Ninth Number :76
Enter Tenth Number :75
5
15
55
75
PS E:\semester 2\week 1\Programming day> 
```

## 3-Average:

```
#list
list1=[2,4,3,1,9,7,8,6]

PS E:\semester 2\week 1\Programming day> python .\Average.py
Average value is : 5.0
PS E:\semester 2\week 1\Programming day> 
```

## 4-Sum of Numbers(without LIST):

```
Enter First Number :1
Enter Second Number :2
Enter third Number :3
Enter Fourth Number :4
Enter Fifth Number :5
Enter Sixth Number :6
Enter Seventh Number :7
Enter Eighth Number :67
Enter Ninth Number :88
Enter Tenth Number :10
193
```

### 5-Sum of 20(using list):


```
PS E:\semester 2\week 1\Programming day> python .\sumOF20numbers.py
Enter number : 1
Enter number : 2
Enter number : 3
Enter number : 4
Enter number : 5
Enter number : 6
Enter number : 7
Enter number : 8
Enter number : 9
Enter number : 10
Enter number : 11
Enter number : 12
Enter number : 13
Enter number : 1
Enter number : 4
Enter number : 15
Enter number : 16
Enter number : 19
Enter number : 20
Enter number : 14
Sum of numbers is : 180
PS E:\semester 2\week 1\Programming day> █
```

### 6- 2<sup>nd</sup> largest:

```
* Enter number : 1
Enter number : 2
Enter number : 3
... Enter number : 4
Enter number : 5
Enter number : 6
Enter number : 7
Enter number : 8
Enter number : 9
Enter number : 10
2nd largest is 9
```

### 7-ODD and divisible by 5 using list:

```
PS E:\semester 2\week 1\Programming day>
Enter number : 1
Enter number : 2
Enter number : 3
Enter number : 23
Enter number : 2
Enter number : 1
Enter number : 25
Enter number : 55
Enter number : 45
Enter number : 56
Enter number : 5533
Enter number : 55
Enter number : 546
Enter number : 456
Enter number : 5353
Enter number : 535
Enter number : 345
Enter number : 35
Enter number : 34
Enter number : 5
Enter number : 345
Enter number : 34553
Enter number : 45
Enter number : 353454345345
25
55
45
55
535
345
35
5
345
45
353454345345
```



### 8-Greatest among 20 using list:

```
PS E:\semester 2\week 1\Programming day> python .\GreatestAmong20.py
Enter number : 1
Enter number : 2
Enter number : 3
Enter number : 4
Enter number : 5
Enter number : 6
Enter number : 7
Enter number : 8
Enter number : 9
Enter number : 10
Enter number : 12
Enter number : 45
Enter number : 67
Enter number : 44
Enter number : 32
Enter number : 68
Enter number : 43
Enter number : 32
Enter number : 56
Enter number : 234
Greatest among 20 is 234
PS E:\semester 2\week 1\Programming day> 
```

### 9-copy list:

```
1 # list
2 list1 = ["ali", "", "khan", "ahmend", "", "Tanveer", ""]
```

```
PS E:\semester 2\week 1\Programming day> python .\copyLIST.py
['ali', 'khan', 'ahmend', 'Tanveer']
```