**Assignments**

1. **Write python script to get students marks from user for specific number of marks and calculate the average and range of marks and print it in the screen**

**For example, user enter 6 for number of marks (20 – 33 – 46 – 65 – 23 – 29) the result will be same as follow:**

**The Average is: 36**

**The Range is: 45**

**Arcpy Assignments**

1. **Write script using arcpy library to check all layer fields for Null and create report file in text format filled by fields that contain Null**
2. **Write script using arcpy library to loop through all feature classes in target geodatabase which is been selected by user and generate report as text file listing all feature classes that contain letter (p) with geometry type and spatial reference and backup it in other geodatabase which is entered by user**
3. **Write script calculating all fields in the layer if field type is text calculated will be value “String” if type is integer calculated value will be 999 if type is float or double calculated value will be 33.33 if type is date calculated value will be 12/12/2012**
4. **Write script that create random 300 points inside selected polygon**
5. **Write script that print out vertices location X and Y for selected polygon**