**PYTHON**

**QUES : How to print anything in python?**

**ANS : Print(“I love Python”)**

**QUES : How to use for loop?**

**ANS : For I in range (n) :**

**Print(n)**

**NOTE : If you are printing anything just below the loop like (for, while, etc.) , then it will be printed a many number of times and if you print it like the above statement then it means that the statement is inside the loop and it will get printed like it’s in the loop.**

**Suppose we have to print the list of items to be brought from the supermarket then we can print it like that**

**Shopping=[“Bread”,”Coffee”,”Jam”,”Butter”]**

**For item in shopping:**

**Print (item)**

**OUTPUT : Bread**

**Coffee**

**Jam**

**Butter**

**But if we want to add something to the list, then we can do it by using (append) as follows.**

**Shopping.append(“Curd”)**

**Print (shopping)**

**[ ‘Bread’ , ’Coffee’ , ’Jam’ , ‘Butter’ , ‘Curd’ ]**

**INSERT : it is used to insert an element at a desired place in an array.**

**Shopping.insert(2,peas)**

**It means that 2 is the position where we want to insert peas.**

**COUNT : it is used to count the number of times an element is present in the array.**

**Ages=[1,2,3,4,5,6,7,8,9,1,2,3,4,5,6,2,5,2]**

**Ages.count(2)**

**Answer will be 4.**

**LEN : it is used to give the length of the array.**

**Len(ages)**

**Answer will be 18.**

**SORT : it is used to sort the array in ascending order by default.**

**Ages.sort()**

**Print (ages)**

**Answer = [1,1,2,2,2,2,3,3,4,4,5,5,6,6,7,8,9]**

**REVERSE : it is used to sort the array in descending order.**

**Ages.reverse()**

**Print (ages)**

**Answer = [9,8,7,6,6,5,5,4,4,3,3,2,2,2,2,1,1]**

**SLICING : it is used to take some values out of the array and store them In some other array.**

**Syntax : #list\_name[start\_index:end\_index+1]**

**Students(1:5)**

**TRIM MEAN : it is defined as the mean obtained by removing the equal number of values from the starting and ending of the array.**

**From scipy import stats**

**Estimates = [1000,1250,412,556,1275,412,954,321,457,628,145,475,742,842,254]**

**Estimates.sort()**

**M = stats.trim\_mean(Estimates,0.1)**

**Print (M)**

**0.1 here means the percentage of numbers you want to remove from the list.**