

1. Demonstrate multi-threading **OR** multi-processing concept with an example to find out the even and odd numbers from a list
2. Create 2 classes,  
**Student** (attributes : name,rollno,admno,college,parentname,mobilenumber,emailid) and **Sem1Result** (sub1mark,sub2mark,sub3mark,sub4mark,sub5mark) and with the help of inheritance, create a menu driven application.
  1. Add Student details with mark ( Note : Each subject mark should be out of 40 )
  2. Generate JSON file and display the API to view all student details with marks
  3. Generate JSON file and display the API to view all student details based on ranking
  4. Send an email to all the parents if the total percentage of marks is less than 50%
  5. Exit

Note : Exception Handling, Validations, Logging and Github versioning is **MANDATORY**