

GradeCalulator Test Class

Function : **getGrade**

Format: **Worst Case**

Parameters	min	max
mid	1	20
ct	1	20
final	1	50
attendance	1	10

Test Id	Mid	Ct	Final	Attendance	Expected	Result	Comments
1	1	1	1	1	Z	F	Fail
2	1	1	1	2	Z	F	Fail
3	1	1	1	5	Z	F	Fail
4	1	1	1	9	Z	F	Fail
5	1	1	1	10	Z	F	Fail
6	1	1	2	1	Z	F	Fail
7	1	1	2	2	Z	F	Fail
8	1	1	2	5	Z	F	Fail
9	1	1	2	9	Z	F	Fail
10	1	1	2	10	Z	F	Fail
11	1	1	25	1	Z	F	Fail
12	1	1	25	2	Z	F	Fail
13	1	1	25	5	Z	F	Fail
14	1	1	25	9	Z	F	Fail
15	1	1	25	10	Z	F	Fail
16	1	1	49	1	Z	C	Fail
17	1	1	49	2	Z	C	Fail
18	1	1	49	5	Z	C	Fail
19	1	1	49	9	Z	C	Fail
20	1	1	49	10	Z	C	Fail
21	1	1	50	1	Z	C	Fail
22	1	1	50	2	Z	C	Fail
23	1	1	50	5	Z	C	Fail
24	1	1	50	9	Z	C	Fail
25	1	1	50	10	Z	C	Fail
26	1	2	1	1	Z	F	Fail
27	1	2	1	2	Z	F	Fail
28	1	2	1	5	Z	F	Fail
29	1	2	1	9	Z	F	Fail
30	1	2	1	10	Z	F	Fail
31	1	2	2	1	Z	F	Fail
32	1	2	2	2	Z	F	Fail
33	1	2	2	5	Z	F	Fail
34	1	2	2	9	Z	F	Fail
35	1	2	2	10	Z	F	Fail
36	1	2	25	1	Z	F	Fail
37	1	2	25	2	Z	F	Fail
38	1	2	25	5	Z	F	Fail

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39	1	2	25	9	Z	F	Fail
40	1	2	25	10	Z	F	Fail
41	1	2	49	1	Z	C	Fail
42	1	2	49	2	Z	C	Fail
43	1	2	49	5	Z	C	Fail
44	1	2	49	9	Z	C	Fail
45	1	2	49	10	Z	C	Fail
46	1	2	50	1	Z	C	Fail
47	1	2	50	2	Z	C	Fail
48	1	2	50	5	Z	C	Fail
49	1	2	50	9	Z	C	Fail
50	1	2	50	10	Z	C	Fail
51	1	10	1	1	Z	F	Fail
52	1	10	1	2	Z	F	Fail
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56	1	10	2	1	Z	F	Fail
57	1	10	2	2	Z	F	Fail
58	1	10	2	5	Z	F	Fail
59	1	10	2	9	Z	F	Fail
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61	1	10	25	1	Z	F	Fail
62	1	10	25	2	Z	F	Fail
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65	1	10	25	10	Z	F	Fail
66	1	10	49	1	Z	C	Fail
67	1	10	49	2	Z	C	Fail
68	1	10	49	5	Z	C	Fail
69	1	10	49	9	Z	C	Fail
70	1	10	49	10	Z	C	Fail
71	1	10	50	1	Z	C	Fail
72	1	10	50	2	Z	C	Fail
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87	1	19	25	2	Z	F	Fail
88	1	19	25	5	Z	F	Fail
89	1	19	25	9	Z	C	Fail
90	1	19	25	10	Z	C	Fail
91	1	19	49	1	Z	C	Fail

report

92	1	19	49	2	Z	C	Fail
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94	1	19	49	9	Z	C	Fail
95	1	19	49	10	Z	C	Fail
96	1	19	50	1	Z	C	Fail
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103	1	20	1	5	Z	F	Fail
104	1	20	1	9	Z	F	Fail
105	1	20	1	10	Z	F	Fail
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108	1	20	2	5	Z	F	Fail
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116	1	20	49	1	Z	C	Fail
117	1	20	49	2	Z	C	Fail
118	1	20	49	5	Z	C	Fail
119	1	20	49	9	Z	C	Fail
120	1	20	49	10	Z	C	Fail
121	1	20	50	1	Z	C	Fail
122	1	20	50	2	Z	C	Fail
123	1	20	50	5	Z	C	Fail
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125	1	20	50	10	Z	C	Fail
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131	2	1	2	1	Z	F	Fail
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133	2	1	2	5	Z	F	Fail
134	2	1	2	9	Z	F	Fail
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141	2	1	49	1	Z	C	Fail
142	2	1	49	2	Z	C	Fail
143	2	1	49	5	Z	C	Fail
144	2	1	49	9	Z	C	Fail

report

145	2	1	49	10	Z	C	Fail
146	2	1	50	1	Z	C	Fail
147	2	1	50	2	Z	C	Fail
148	2	1	50	5	Z	C	Fail
149	2	1	50	9	Z	C	Fail
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162	2	2	25	2	Z	F	Fail
163	2	2	25	5	Z	F	Fail
164	2	2	25	9	Z	F	Fail
165	2	2	25	10	Z	F	Fail
166	2	2	49	1	Z	C	Fail
167	2	2	49	2	Z	C	Fail
168	2	2	49	5	Z	C	Fail
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172	2	2	50	2	Z	C	Fail
173	2	2	50	5	Z	C	Fail
174	2	2	50	9	Z	C	Fail
175	2	2	50	10	Z	C	Fail
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187	2	10	25	2	Z	F	Fail
188	2	10	25	5	Z	F	Fail
189	2	10	25	9	Z	F	Fail
190	2	10	25	10	Z	F	Fail
191	2	10	49	1	Z	C	Fail
192	2	10	49	2	Z	C	Fail
193	2	10	49	5	Z	C	Fail
194	2	10	49	9	Z	C	Fail
195	2	10	49	10	Z	C	Fail
196	2	10	50	1	Z	C	Fail
197	2	10	50	2	Z	C	Fail

report

198	2	10	50	5	Z	C	Fail
199	2	10	50	9	Z	C	Fail
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202	2	19	1	2	Z	F	Fail
203	2	19	1	5	Z	F	Fail
204	2	19	1	9	Z	F	Fail
205	2	19	1	10	Z	F	Fail
206	2	19	2	1	Z	F	Fail
207	2	19	2	2	Z	F	Fail
208	2	19	2	5	Z	F	Fail
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216	2	19	49	1	Z	C	Fail
217	2	19	49	2	Z	C	Fail
218	2	19	49	5	Z	C	Fail
219	2	19	49	9	Z	C	Fail
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222	2	19	50	2	Z	C	Fail
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226	2	20	1	1	Z	F	Fail
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229	2	20	1	9	Z	F	Fail
230	2	20	1	10	Z	F	Fail
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238	2	20	25	5	Z	C	Fail
239	2	20	25	9	Z	C	Fail
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242	2	20	49	2	Z	C	Fail
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244	2	20	49	9	Z	C	Fail
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246	2	20	50	1	Z	C	Fail
247	2	20	50	2	Z	C	Fail
248	2	20	50	5	Z	C	Fail
249	2	20	50	9	Z	C	Fail
250	2	20	50	10	Z	C	Fail

report

251	10	1	1	1	Z	F	Fail
252	10	1	1	2	Z	F	Fail
253	10	1	1	5	Z	F	Fail
254	10	1	1	9	Z	F	Fail
255	10	1	1	10	Z	F	Fail
256	10	1	2	1	Z	F	Fail
257	10	1	2	2	Z	F	Fail
258	10	1	2	5	Z	F	Fail
259	10	1	2	9	Z	F	Fail
260	10	1	2	10	Z	F	Fail
261	10	1	25	1	Z	F	Fail
262	10	1	25	2	Z	F	Fail
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268	10	1	49	5	Z	C	Fail
269	10	1	49	9	Z	C	Fail
270	10	1	49	10	Z	C	Fail
271	10	1	50	1	Z	C	Fail
272	10	1	50	2	Z	C	Fail
273	10	1	50	5	Z	C	Fail
274	10	1	50	9	Z	C	Fail
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283	10	2	2	5	Z	F	Fail
284	10	2	2	9	Z	F	Fail
285	10	2	2	10	Z	F	Fail
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299	10	2	50	9	Z	C	Fail
300	10	2	50	10	Z	C	Fail
301	10	10	1	1	Z	F	Fail
302	10	10	1	2	Z	F	Fail
303	10	10	1	5	Z	F	Fail

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304	10	10	1	9	Z	F	Fail
305	10	10	1	10	Z	F	Fail
306	10	10	2	1	Z	F	Fail
307	10	10	2	2	Z	F	Fail
308	10	10	2	5	Z	F	Fail
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311	10	10	25	1	Z	F	Fail
312	10	10	25	2	Z	F	Fail
313	10	10	25	5	Z	F	Fail
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317	10	10	49	2	Z	C	Fail
318	10	10	49	5	Z	C	Fail
319	10	10	49	9	Z	C	Fail
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321	10	10	50	1	Z	C	Fail
322	10	10	50	2	Z	C	Fail
323	10	10	50	5	Z	C	Fail
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327	10	19	1	2	Z	F	Fail
328	10	19	1	5	Z	F	Fail
329	10	19	1	9	Z	F	Fail
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331	10	19	2	1	Z	F	Fail
332	10	19	2	2	Z	F	Fail
333	10	19	2	5	Z	F	Fail
334	10	19	2	9	Z	F	Fail
335	10	19	2	10	Z	F	Fail
336	10	19	25	1	Z	C	Fail
337	10	19	25	2	Z	C	Fail
338	10	19	25	5	Z	C	Fail
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346	10	19	50	1	Z	C	Fail
347	10	19	50	2	Z	C	Fail
348	10	19	50	5	Z	C	Fail
349	10	19	50	9	Z	C	Fail
350	10	19	50	10	Z	C	Fail
351	10	20	1	1	Z	F	Fail
352	10	20	1	2	Z	F	Fail
353	10	20	1	5	Z	F	Fail
354	10	20	1	9	Z	F	Fail
355	10	20	1	10	Z	F	Fail
356	10	20	2	1	Z	F	Fail

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357	10	20	2	2	Z	F	Fail
358	10	20	2	5	Z	F	Fail
359	10	20	2	9	Z	F	Fail
360	10	20	2	10	Z	F	Fail
361	10	20	25	1	Z	C	Fail
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382	19	1	2	2	Z	F	Fail
383	19	1	2	5	Z	F	Fail
384	19	1	2	9	Z	F	Fail
385	19	1	2	10	Z	F	Fail
386	19	1	25	1	Z	F	Fail
387	19	1	25	2	Z	F	Fail
388	19	1	25	5	Z	F	Fail
389	19	1	25	9	Z	C	Fail
390	19	1	25	10	Z	C	Fail
391	19	1	49	1	Z	C	Fail
392	19	1	49	2	Z	C	Fail
393	19	1	49	5	Z	C	Fail
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405	19	2	1	10	Z	F	Fail
406	19	2	2	1	Z	F	Fail
407	19	2	2	2	Z	F	Fail
408	19	2	2	5	Z	F	Fail
409	19	2	2	9	Z	F	Fail

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410	19	2	2	10	Z	F	Fail
411	19	2	25	1	Z	F	Fail
412	19	2	25	2	Z	F	Fail
413	19	2	25	5	Z	C	Fail
414	19	2	25	9	Z	C	Fail
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432	19	10	2	2	Z	F	Fail
433	19	10	2	5	Z	F	Fail
434	19	10	2	9	Z	F	Fail
435	19	10	2	10	Z	F	Fail
436	19	10	25	1	Z	C	Fail
437	19	10	25	2	Z	C	Fail
438	19	10	25	5	Z	C	Fail
439	19	10	25	9	Z	C	Fail
440	19	10	25	10	Z	C	Fail
441	19	10	49	1	Z	C	Fail
442	19	10	49	2	Z	C	Fail
443	19	10	49	5	Z	C	Fail
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445	19	10	49	10	Z	C	Fail
446	19	10	50	1	Z	C	Fail
447	19	10	50	2	Z	C	Fail
448	19	10	50	5	Z	C	Fail
449	19	10	50	9	Z	C	Fail
450	19	10	50	10	Z	C	Fail
451	19	19	1	1	Z	F	Fail
452	19	19	1	2	Z	F	Fail
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458	19	19	2	5	Z	F	Fail
459	19	19	2	9	Z	F	Fail
460	19	19	2	10	Z	F	Fail
461	19	19	25	1	Z	C	Fail
462	19	19	25	2	Z	C	Fail

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463	19	19	25	5	Z	C	Fail
464	19	19	25	9	Z	C	Fail
465	19	19	25	10	Z	C	Fail
466	19	19	49	1	Z	C	Fail
467	19	19	49	2	Z	C	Fail
468	19	19	49	5	Z	C	Fail
469	19	19	49	9	Z	C	Fail
470	19	19	49	10	Z	C	Fail
471	19	19	50	1	Z	C	Fail
472	19	19	50	2	Z	C	Fail
473	19	19	50	5	Z	C	Fail
474	19	19	50	9	Z	C	Fail
475	19	19	50	10	Z	C	Fail
476	19	20	1	1	Z	F	Fail
477	19	20	1	2	Z	F	Fail
478	19	20	1	5	Z	F	Fail
479	19	20	1	9	Z	F	Fail
480	19	20	1	10	Z	F	Fail
481	19	20	2	1	Z	F	Fail
482	19	20	2	2	Z	F	Fail
483	19	20	2	5	Z	F	Fail
484	19	20	2	9	Z	F	Fail
485	19	20	2	10	Z	C	Fail
486	19	20	25	1	Z	C	Fail
487	19	20	25	2	Z	C	Fail
488	19	20	25	5	Z	C	Fail
489	19	20	25	9	Z	C	Fail
490	19	20	25	10	Z	C	Fail
491	19	20	49	1	Z	C	Fail
492	19	20	49	2	Z	C	Fail
493	19	20	49	5	Z	C	Fail
494	19	20	49	9	Z	C	Fail
495	19	20	49	10	Z	C	Fail
496	19	20	50	1	Z	C	Fail
497	19	20	50	2	Z	C	Fail
498	19	20	50	5	Z	C	Fail
499	19	20	50	9	Z	C	Fail
500	19	20	50	10	Z	C	Fail
501	20	1	1	1	Z	F	Fail
502	20	1	1	2	Z	F	Fail
503	20	1	1	5	Z	F	Fail
504	20	1	1	9	Z	F	Fail
505	20	1	1	10	Z	F	Fail
506	20	1	2	1	Z	F	Fail
507	20	1	2	2	Z	F	Fail
508	20	1	2	5	Z	F	Fail
509	20	1	2	9	Z	F	Fail
510	20	1	2	10	Z	F	Fail
511	20	1	25	1	Z	F	Fail
512	20	1	25	2	Z	F	Fail
513	20	1	25	5	Z	C	Fail
514	20	1	25	9	Z	C	Fail
515	20	1	25	10	Z	C	Fail

report

516	20	1	49	1	Z	C	Fail
517	20	1	49	2	Z	C	Fail
518	20	1	49	5	Z	C	Fail
519	20	1	49	9	Z	C	Fail
520	20	1	49	10	Z	C	Fail
521	20	1	50	1	Z	C	Fail
522	20	1	50	2	Z	C	Fail
523	20	1	50	5	Z	C	Fail
524	20	1	50	9	Z	C	Fail
525	20	1	50	10	Z	C	Fail
526	20	2	1	1	Z	F	Fail
527	20	2	1	2	Z	F	Fail
528	20	2	1	5	Z	F	Fail
529	20	2	1	9	Z	F	Fail
530	20	2	1	10	Z	F	Fail
531	20	2	2	1	Z	F	Fail
532	20	2	2	2	Z	F	Fail
533	20	2	2	5	Z	F	Fail
534	20	2	2	9	Z	F	Fail
535	20	2	2	10	Z	F	Fail
536	20	2	25	1	Z	F	Fail
537	20	2	25	2	Z	F	Fail
538	20	2	25	5	Z	C	Fail
539	20	2	25	9	Z	C	Fail
540	20	2	25	10	Z	C	Fail
541	20	2	49	1	Z	C	Fail
542	20	2	49	2	Z	C	Fail
543	20	2	49	5	Z	C	Fail
544	20	2	49	9	Z	C	Fail
545	20	2	49	10	Z	C	Fail
546	20	2	50	1	Z	C	Fail
547	20	2	50	2	Z	C	Fail
548	20	2	50	5	Z	C	Fail
549	20	2	50	9	Z	C	Fail
550	20	2	50	10	Z	C	Fail
551	20	10	1	1	Z	F	Fail
552	20	10	1	2	Z	F	Fail
553	20	10	1	5	Z	F	Fail
554	20	10	1	9	Z	F	Fail
555	20	10	1	10	Z	F	Fail
556	20	10	2	1	Z	F	Fail
557	20	10	2	2	Z	F	Fail
558	20	10	2	5	Z	F	Fail
559	20	10	2	9	Z	F	Fail
560	20	10	2	10	Z	F	Fail
561	20	10	25	1	Z	C	Fail
562	20	10	25	2	Z	C	Fail
563	20	10	25	5	Z	C	Fail
564	20	10	25	9	Z	C	Fail
565	20	10	25	10	Z	C	Fail
566	20	10	49	1	Z	C	Fail
567	20	10	49	2	Z	C	Fail
568	20	10	49	5	Z	C	Fail

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569	20	10	49	9	Z	C	Fail
570	20	10	49	10	Z	C	Fail
571	20	10	50	1	Z	C	Fail
572	20	10	50	2	Z	C	Fail
573	20	10	50	5	Z	C	Fail
574	20	10	50	9	Z	C	Fail
575	20	10	50	10	Z	C	Fail
576	20	19	1	1	Z	F	Fail
577	20	19	1	2	Z	F	Fail
578	20	19	1	5	Z	F	Fail
579	20	19	1	9	Z	F	Fail
580	20	19	1	10	Z	F	Fail
581	20	19	2	1	Z	F	Fail
582	20	19	2	2	Z	F	Fail
583	20	19	2	5	Z	F	Fail
584	20	19	2	9	Z	F	Fail
585	20	19	2	10	Z	C	Fail
586	20	19	25	1	Z	C	Fail
587	20	19	25	2	Z	C	Fail
588	20	19	25	5	Z	C	Fail
589	20	19	25	9	Z	C	Fail
590	20	19	25	10	Z	C	Fail
591	20	19	49	1	Z	C	Fail
592	20	19	49	2	Z	C	Fail
593	20	19	49	5	Z	C	Fail
594	20	19	49	9	Z	C	Fail
595	20	19	49	10	Z	C	Fail
596	20	19	50	1	Z	C	Fail
597	20	19	50	2	Z	C	Fail
598	20	19	50	5	Z	C	Fail
599	20	19	50	9	Z	C	Fail
600	20	19	50	10	Z	C	Fail
601	20	20	1	1	Z	F	Fail
602	20	20	1	2	Z	F	Fail
603	20	20	1	5	Z	F	Fail
604	20	20	1	9	Z	F	Fail
605	20	20	1	10	Z	C	Fail
606	20	20	2	1	Z	F	Fail
607	20	20	2	2	Z	F	Fail
608	20	20	2	5	Z	F	Fail
609	20	20	2	9	Z	C	Fail
610	20	20	2	10	Z	C	Fail
611	20	20	25	1	Z	C	Fail
612	20	20	25	2	Z	C	Fail
613	20	20	25	5	Z	C	Fail
614	20	20	25	9	Z	C	Fail
615	20	20	25	10	Z	C	Fail
616	20	20	49	1	Z	C	Fail
617	20	20	49	2	Z	C	Fail
618	20	20	49	5	Z	C	Fail
619	20	20	49	9	Z	C	Fail
620	20	20	49	10	Z	C	Fail
621	20	20	50	1	Z	C	Fail

report

622	20	20	50	2	Z	C	Fail
623	20	20	50	5	Z	C	Fail
624	20	20	50	9	Z	C	Fail
625	20	20	50	10	Z	C	Fail

Function : **getGrade**
Format: **BVC**

Parameter	min	max
mid	1	20
ct	1	20
final	1	50
attendance	1	10

Test Id	Mid	Ct	Final	Attendance	Expected	Result	Comments
1	10	10	25	1	F	F	passed
2	10	10	25	2	F	F	passed
3	10	10	25	10	C	C	passed
4	10	10	25	9	C	C	passed
5	10	10	1	5	F	F	passed
6	10	10	2	5	F	F	passed
7	10	10	50	5	A	C	Failed
8	10	10	49	5	A	C	Failed
9	10	1	25	5	F	F	passed
10	10	2	25	5	F	F	passed
11	10	20	25	5	B	C	Failed
12	10	19	25	5	C	C	passed
13	1	10	25	5	F	F	passed
14	2	10	25	5	F	F	passed
15	20	10	25	5	B	C	Failed
16	19	10	25	5	C	C	passed
17	10	10	25	5	C	F	Failed

Grade Calculator Test class
Function – **getGPA**

Test Case id	input	output	expected	Comment
1	A+	0	4	Failed
2	A	0	3.5	Failed
3	B	0	3	Failed
4	C	2	2	Success
5	F	0	0	Success
6	D	0	0	Success

Calculator Test Class Report

Function: **add**
 Format: Worst Case

Test Case id	A	B	Expected	Output	Comment
1	-1000	2000	1000	1000	Success
2	-1000	2001	1001	1001	Success
3	-1000	3000	2000	2000	Success
4	-1000	3999	2999	2999	Success
5	-1000	4000	3000	3000	Success
6	-999	2000	1001	1001	Success
7	-999	2001	1002	1002	Success
8	-999	3000	2001	2001	Success
9	-999	3999	3000	3000	Success
10	-999	4000	3001	3001	Success
11	0	2000	2000	2000	Success
12	0	2001	2001	2001	Success
13	0	3000	3000	3000	Success
14	0	3999	3999	3999	Success
15	0	4000	4000	4000	Success
16	999	2000	2999	2999	Success
17	999	2001	3000	3000	Success
18	999	3000	3999	3999	Success
19	999	3999	4998	4998	Success
20	999	4000	4999	4999	Success
21	1000	2000	3000	3000	Success
22	1000	2001	3001	3001	Success
23	1000	3000	4000	4000	Success
24	1000	3999	4999	4999	Success
25	1000	4000	5000	5000	Success

Function: **add**
 Format: BVC

Test Case id	A	B	Expected	Output	Comment
10000	0	-100	-100	-100	Success
10001	0	-99	-99	-99	Success
10002	0	100	100	100	Success
10003	0	99	99	99	Success
10004	-10000	0	-10000	-10000	Success
10005	-9999	0	-9999	-9999	Success
10006	10000	0	10000	10000	Success
10007	9999	0	9999	9999	Success
10008	0	0	0	0	Success

Function: **add(3 parameter)**
 Format: BVC

report

Parameters	min	max
A	-100	100
B	200	300
C	800	900

Test Case id	A	B	C	Expected	Output	Comment
10000	0	250	800	1050	1050	Success
10001	0	250	801	1051	1051	Success
10002	0	250	900	1150	1150	Success
10003	0	250	899	1149	1149	Success
10004	0	200	850	1050	1050	Success
10005	0	201	850	1051	1051	Success
10006	0	300	850	1150	1150	Success
10007	0	299	850	1149	1149	Success
10008	-100	250	850	1000	1000	Success
10009	-99	250	850	1001	1001	Success
10010	100	250	850	1200	1200	Success
10011	99	250	850	1199	1199	Success
10012	0	250	850	1100	1100	Success

Function: **add(3 parameter)**

Format: Worst Case

Parameters	min	max
A	-100	100
B	200	300
C	800	900

Test Case id	A	B	C	Expected	Output	Comment
1	-100	200	800	900	900	Success
2	-100	200	801	901	901	Success
3	-100	200	850	950	950	Success
4	-100	200	899	999	999	Success
5	-100	200	900	1000	1000	Success
6	-100	201	800	901	901	Success
7	-100	201	801	902	902	Success
8	-100	201	850	951	951	Success
9	-100	201	899	1000	1000	Success
10	-100	201	900	1001	1001	Success
11	-100	250	800	950	950	Success
12	-100	250	801	951	951	Success
13	-100	250	850	1000	1000	Success
14	-100	250	899	1049	1049	Success
15	-100	250	900	1050	1050	Success
16	-100	299	800	999	999	Success
17	-100	299	801	1000	1000	Success
18	-100	299	850	1049	1049	Success
19	-100	299	899	1098	1098	Success
20	-100	299	900	1099	1099	Success
21	-100	300	800	1000	1000	Success
22	-100	300	801	1001	1001	Success
23	-100	300	850	1050	1050	Success
24	-100	300	899	1099	1099	Success

report						
25	-100	300	900	1100	1100	Success
26	-99	200	800	901	901	Success
27	-99	200	801	902	902	Success
28	-99	200	850	951	951	Success
29	-99	200	899	1000	1000	Success
30	-99	200	900	1001	1001	Success
31	-99	201	800	902	902	Success
32	-99	201	801	903	903	Success
33	-99	201	850	952	952	Success
34	-99	201	899	1001	1001	Success
35	-99	201	900	1002	1002	Success
36	-99	250	800	951	951	Success
37	-99	250	801	952	952	Success
38	-99	250	850	1001	1001	Success
39	-99	250	899	1050	1050	Success
40	-99	250	900	1051	1051	Success
41	-99	299	800	1000	1000	Success
42	-99	299	801	1001	1001	Success
43	-99	299	850	1050	1050	Success
44	-99	299	899	1099	1099	Success
45	-99	299	900	1100	1100	Success
46	-99	300	800	1001	1001	Success
47	-99	300	801	1002	1002	Success
48	-99	300	850	1051	1051	Success
49	-99	300	899	1100	1100	Success
50	-99	300	900	1101	1101	Success
51	0	200	800	1000	1000	Success
52	0	200	801	1001	1001	Success
53	0	200	850	1050	1050	Success
54	0	200	899	1099	1099	Success
55	0	200	900	1100	1100	Success
56	0	201	800	1001	1001	Success
57	0	201	801	1002	1002	Success
58	0	201	850	1051	1051	Success
59	0	201	899	1100	1100	Success
60	0	201	900	1101	1101	Success
61	0	250	800	1050	1050	Success
62	0	250	801	1051	1051	Success
63	0	250	850	1100	1100	Success
64	0	250	899	1149	1149	Success
65	0	250	900	1150	1150	Success
66	0	299	800	1099	1099	Success
67	0	299	801	1100	1100	Success
68	0	299	850	1149	1149	Success
69	0	299	899	1198	1198	Success
70	0	299	900	1199	1199	Success
71	0	300	800	1100	1100	Success
72	0	300	801	1101	1101	Success
73	0	300	850	1150	1150	Success
74	0	300	899	1199	1199	Success
75	0	300	900	1200	1200	Success
76	99	200	800	1099	1099	Success
77	99	200	801	1100	1100	Success

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78	99	200	850	1149	1149	Success
79	99	200	899	1198	1198	Success
80	99	200	900	1199	1199	Success
81	99	201	800	1100	1100	Success
82	99	201	801	1101	1101	Success
83	99	201	850	1150	1150	Success
84	99	201	899	1199	1199	Success
85	99	201	900	1200	1200	Success
86	99	250	800	1149	1149	Success
87	99	250	801	1150	1150	Success
88	99	250	850	1199	1199	Success
89	99	250	899	1248	1248	Success
90	99	250	900	1249	1249	Success
91	99	299	800	1198	1198	Success
92	99	299	801	1199	1199	Success
93	99	299	850	1248	1248	Success
94	99	299	899	1297	1297	Success
95	99	299	900	1298	1298	Success
96	99	300	800	1199	1199	Success
97	99	300	801	1200	1200	Success
98	99	300	850	1249	1249	Success
99	99	300	899	1298	1298	Success
100	99	300	900	1299	1299	Success
101	100	200	800	1100	1100	Success
102	100	200	801	1101	1101	Success
103	100	200	850	1150	1150	Success
104	100	200	899	1199	1199	Success
105	100	200	900	1200	1200	Success
106	100	201	800	1101	1101	Success
107	100	201	801	1102	1102	Success
108	100	201	850	1151	1151	Success
109	100	201	899	1200	1200	Success
110	100	201	900	1201	1201	Success
111	100	250	800	1150	1150	Success
112	100	250	801	1151	1151	Success
113	100	250	850	1200	1200	Success
114	100	250	899	1249	1249	Success
115	100	250	900	1250	1250	Success
116	100	299	800	1199	1199	Success
117	100	299	801	1200	1200	Success
118	100	299	850	1249	1249	Success
119	100	299	899	1298	1298	Success
120	100	299	900	1299	1299	Success
121	100	300	800	1200	1200	Success
122	100	300	801	1201	1201	Success
123	100	300	850	1250	1250	Success
124	100	300	899	1299	1299	Success
125	100	300	900	1300	1300	Success

Function: **subtract**

Format: Worst Case

Parameters min max

report

A	100	200
B	300	400

Test Case id	A	B	Expected	Output	Comment
1	100	300	-200	-200	Success
2	100	301	-201	-201	Success
3	100	350	-250	-250	Success
4	100	399	-299	-299	Success
5	100	400	-300	-300	Success
6	101	300	-199	-199	Success
7	101	301	-200	-200	Success
8	101	350	-249	-249	Success
9	101	399	-298	-298	Success
10	101	400	-299	-299	Success
11	150	300	-150	-150	Success
12	150	301	-151	-151	Success
13	150	350	-200	-200	Success
14	150	399	-249	-249	Success
15	150	400	-250	-250	Success
16	199	300	-101	-101	Success
17	199	301	-102	-102	Success
18	199	350	-151	-151	Success
19	199	399	-200	-200	Success
20	199	400	-201	-201	Success
21	200	300	-100	-100	Success
22	200	301	-101	-101	Success
23	200	350	-150	-150	Success
24	200	399	-199	-199	Success
25	200	400	-200	-200	Success

Function: **subtract**

Format: BVC

Parameters	min	max
A	100	200
B	300	400

Test Case id	A	B	Expected	Output	Comment
10000	150	300	-150	-150	Success
10001	150	301	-151	-151	Success
10002	150	400	-250	-250	Success
10003	150	399	-249	-249	Success
10004	100	350	-250	-250	Success
10005	101	350	-249	-249	Success
10006	200	350	-150	-150	Success
10007	199	350	-151	-151	Success
10008	150	350	-200	-200	Success

Function: **Divide**

Format: BVC

Parameters	min	max
A	2	4
B	4	6

report

Test Case id	A	B	Expected	Output	Comment
10000	3	4	0	0	Success
10001	3	5	0	0	Success
10002	3	6	0	0	Success
10003	3	5	0	0	Success
10004	2	5	0	0	Success
10005	3	5	0	0	Success
10006	4	5	0	0	Success
10007	3	5	0	0	Success
10008	3	5	0	0	Success

Function: **Divide**

Format: Worst Case

Parameters	min	max
A	2	4
B	4	6

Test Case id	A	B	Expected	Output	Comment
1	2	4	0	0	Success
2	2	5	0	0	Success
3	2	5	0	0	Success
4	2	5	0	0	Success
5	2	6	0	0	Success
6	3	4	0	0	Success
7	3	5	0	0	Success
8	3	5	0	0	Success
9	3	5	0	0	Success
10	3	6	0	0	Success
11	3	4	0	0	Success
12	3	5	0	0	Success
13	3	5	0	0	Success
14	3	5	0	0	Success
15	3	6	0	0	Success
16	3	4	0	0	Success
17	3	5	0	0	Success
18	3	5	0	0	Success
19	3	5	0	0	Success
20	3	6	0	0	Success
21	4	4	1	1	Success
22	4	5	0	0	Success
23	4	5	0	0	Success
24	4	5	0	0	Success
25	4	6	0	0	Success

Function: **Multiply**

Format: Worst Case

Parameters	min	max
A	2	4
B	4	6

report

Test Case id	A	B	Expected	Output	Comment
1	2	4	8	8	Success
2	2	5	10	10	Success
3	2	5	10	10	Success
4	2	5	10	10	Success
5	2	6	12	12	Success
6	3	4	12	12	Success
7	3	5	15	15	Success
8	3	5	15	15	Success
9	3	5	15	15	Success
10	3	6	18	18	Success
11	3	4	12	12	Success
12	3	5	15	15	Success
13	3	5	15	15	Success
14	3	5	15	15	Success
15	3	6	18	18	Success
16	3	4	12	12	Success
17	3	5	15	15	Success
18	3	5	15	15	Success
19	3	5	15	15	Success
20	3	6	18	18	Success
21	4	4	16	16	Success
22	4	5	20	20	Success
23	4	5	20	20	Success
24	4	5	20	20	Success
25	4	6	24	24	Success

Function: **Multiply**

Format: BVC

Parameters	min	max
A	2	4
B	4	6

Test Case id	A	B	Expected	Output	Comment
10000	3	4	12	12	Success
10001	3	5	15	15	Success
10002	3	6	18	18	Success
10003	3	5	15	15	Success
10004	2	5	10	10	Success
10005	3	5	15	15	Success
10006	4	5	20	20	Success
10007	3	5	15	15	Success
10008	3	5	15	15	Success

Function: **Multiply**

Format: BVC

Parameters	min	max
A	2	4
B	4	6

Test Case id	A	B	Expected	Output	Comment
10000	3	4	12	12	Success
10001	3	5	15	15	Success
10002	3	6	18	18	Success

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10003	3	5	15	15	Success
10004	2	5	10	10	Success
10005	3	5	15	15	Success
10006	4	5	20	20	Success
10007	3	5	15	15	Success
10008	3	5	15	15	Success

For list add

Test Case id	A	Expected	Output	Comment
1	{1,1,1,1,1}	1500	5	Failed

Decision Table

Method : **getGrade**

	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5
Total>=80	T	F	F	F	F
Total>=70	I	T	F	F	F
Total>=60	I	I	T	F	F
Total>=50	I	I	I	T	F
condition stub Total<=50	I	I	I	I	T
A+	X				
A		X			
ACTION STUB B			X		
C				X	
F					X

Test Id	Mid	Ct	Final	Attendance	Expected	Result	Comments
18	18	45	10	10	91 A+	C	failed
15	15	35	10	10	75 A	C	failed
12	10	35	10	10	67 B	C	failed
12	10	30	5	5	57 C	C	passed
12	5	20	5	5	42 F	F	passed

Method : **getGPA**

	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5
grade == "A"	T	F	F	F	F
grade == "A"	I	T	F	F	F
grade == "B"	I	I	T	F	F
grade == "C"	I	I	I	T	F
condition stub					
	4 X				
	3.5	X			
ACTION STU	3		X		

report

2
0

X

grade	EXPECTED	actual	status
A+	4	0	Failed
A	3.5	0	Failed
B	3	0	Failed
C	2	2	Passed
F	0	0	Passed