```
 1  /Library/Java/JavaVirtualMachines/jdk-11.0.2.jdk/Contents/Home/bin/j
 2  Please enter  number of customers :
 3  100
 4  CID : 1
 5  Time Since Last Arrival  : 0
 6  Arrival Time : 0
 7  Service Time : 1
 8  Time Server Begins  : 0
 9  Time Customer waits in Queue : 0
10  Time Service End : 1
11  Time Customer Spends in System : 1
12  Idle Time of Server : 0
13  Random Digit for Service Time : 7
14  Random Digit for Arrival Time : 176
15  ++++++++++++++++++++++++++++++++++++++++++++++
16  CID : 2
17  Time Since Last Arrival  : 4
18  Arrival Time : 4
19  Service Time : 4
20  Time Server Begins  : 4
21  Time Customer waits in Queue : 0
22  Time Service End : 8
23  Time Customer Spends in System : 4
24  Idle Time of Server : 3
25  Random Digit for Service Time : 70
26  Random Digit for Arrival Time : 457
27  ++++++++++++++++++++++++++++++++++++++++++++++
28  CID : 3
29  Time Since Last Arrival  : 5
30  Arrival Time : 9
31  Service Time : 1
32  Time Server Begins  : 9
33  Time Customer waits in Queue : 0
34  Time Service End : 10
35  Time Customer Spends in System : 1
36  Idle Time of Server : 1
37  Random Digit for Service Time : 5
38  Random Digit for Arrival Time : 544
39  ++++++++++++++++++++++++++++++++++++++++++++++
40  CID : 4
41  Time Since Last Arrival  : 7
42  Arrival Time : 16
43  Service Time : 3
44  Time Server Begins  : 16
45  Time Customer waits in Queue : 0
46  Time Service End : 19
47  Time Customer Spends in System : 3
48  Idle Time of Server : 6
49  Random Digit for Service Time : 35
50  Random Digit for Arrival Time : 856
51  ++++++++++++++++++++++++++++++++++++++++++++++
52  CID : 5
53  Time Since Last Arrival  : 7
54  Arrival Time : 23
55  Service Time : 5
56  Time Server Begins  : 23
57  Time Customer waits in Queue : 0
58  Time Service End : 28
59  Time Customer Spends in System : 5
```

```
 60   Idle Time of Server : 4
 61   Random Digit for Service Time : 87
 62   Random Digit for Arrival Time : 793
 63   +++++++++++++++++++++++++++++++++++++++++++++++
 64   CID : 6
 65   Time Since Last Arrival  : 8
 66   Arrival Time : 31
 67   Service Time : 3
 68   Time Server Begins  : 31
 69   Time Customer waits in Queue : 0
 70   Time Service End : 34
 71   Time Customer Spends in System : 3
 72   Idle Time of Server : 3
 73   Random Digit for Service Time : 40
 74   Random Digit for Arrival Time : 941
 75   +++++++++++++++++++++++++++++++++++++++++++++++
 76   CID : 7
 77   Time Since Last Arrival  : 5
 78   Arrival Time : 36
 79   Service Time : 5
 80   Time Server Begins  : 36
 81   Time Customer waits in Queue : 0
 82   Time Service End : 41
 83   Time Customer Spends in System : 5
 84   Idle Time of Server : 2
 85   Random Digit for Service Time : 89
 86   Random Digit for Arrival Time : 566
 87   +++++++++++++++++++++++++++++++++++++++++++++++
 88   CID : 8
 89   Time Since Last Arrival  : 3
 90   Arrival Time : 39
 91   Service Time : 4
 92   Time Server Begins  : 41
 93   Time Customer waits in Queue : 2
 94   Time Service End : 45
 95   Time Customer Spends in System : 6
 96   Idle Time of Server : 0
 97   Random Digit for Service Time : 71
 98   Random Digit for Arrival Time : 292
 99   +++++++++++++++++++++++++++++++++++++++++++++++
100   CID : 9
101   Time Since Last Arrival  : 2
102   Arrival Time : 41
103   Service Time : 1
104   Time Server Begins  : 45
105   Time Customer waits in Queue : 4
106   Time Service End : 46
107   Time Customer Spends in System : 5
108   Idle Time of Server : 0
109   Random Digit for Service Time : 9
110   Random Digit for Arrival Time : 234
111   +++++++++++++++++++++++++++++++++++++++++++++++
112   CID : 10
113   Time Since Last Arrival  : 2
114   Arrival Time : 43
115   Service Time : 4
116   Time Server Begins  : 46
117   Time Customer waits in Queue : 3
118   Time Service End : 50
```

```
119   Time Customer Spends in System : 7
120   Idle Time of Server : 0
121   Random Digit for Service Time : 84
122   Random Digit for Arrival Time : 142
123   ++++++++++++++++++++++++++++++++++++++++++++++
124   CID : 11
125   Time Since Last Arrival  : 1
126   Arrival Time : 44
127   Service Time : 2
128   Time Server Begins  : 50
129   Time Customer waits in Queue : 6
130   Time Service End : 52
131   Time Customer Spends in System : 8
132   Idle Time of Server : 0
133   Random Digit for Service Time : 12
134   Random Digit for Arrival Time : 10
135   ++++++++++++++++++++++++++++++++++++++++++++++
136   CID : 12
137   Time Since Last Arrival  : 7
138   Arrival Time : 51
139   Service Time : 3
140   Time Server Begins  : 52
141   Time Customer waits in Queue : 1
142   Time Service End : 55
143   Time Customer Spends in System : 4
144   Idle Time of Server : 0
145   Random Digit for Service Time : 44
146   Random Digit for Arrival Time : 758
147   ++++++++++++++++++++++++++++++++++++++++++++++
148   CID : 13
149   Time Since Last Arrival  : 3
150   Arrival Time : 54
151   Service Time : 2
152   Time Server Begins  : 55
153   Time Customer waits in Queue : 1
154   Time Service End : 57
155   Time Customer Spends in System : 3
156   Idle Time of Server : 0
157   Random Digit for Service Time : 29
158   Random Digit for Arrival Time : 374
159   ++++++++++++++++++++++++++++++++++++++++++++++
160   CID : 14
161   Time Since Last Arrival  : 1
162   Arrival Time : 55
163   Service Time : 1
164   Time Server Begins  : 57
165   Time Customer waits in Queue : 2
166   Time Service End : 58
167   Time Customer Spends in System : 3
168   Idle Time of Server : 0
169   Random Digit for Service Time : 6
170   Random Digit for Arrival Time : 99
171   ++++++++++++++++++++++++++++++++++++++++++++++
172   CID : 15
173   Time Since Last Arrival  : 2
174   Arrival Time : 57
175   Service Time : 3
176   Time Server Begins  : 58
177   Time Customer waits in Queue : 1
```

```
178  Time Service End : 61
179  Time Customer Spends in System : 4
180  Idle Time of Server : 0
181  Random Digit for Service Time : 37
182  Random Digit for Arrival Time : 241
183  +++++++++++++++++++++++++++++++++++++++++++++++
184  CID : 16
185  Time Since Last Arrival  : 8
186  Arrival Time : 65
187  Service Time : 2
188  Time Server Begins  : 65
189  Time Customer waits in Queue : 0
190  Time Service End : 67
191  Time Customer Spends in System : 2
192  Idle Time of Server : 4
193  Random Digit for Service Time : 13
194  Random Digit for Arrival Time : 946
195  +++++++++++++++++++++++++++++++++++++++++++++++
196  CID : 17
197  Time Since Last Arrival  : 7
198  Arrival Time : 72
199  Service Time : 5
200  Time Server Begins  : 72
201  Time Customer waits in Queue : 0
202  Time Service End : 77
203  Time Customer Spends in System : 5
204  Idle Time of Server : 5
205  Random Digit for Service Time : 91
206  Random Digit for Arrival Time : 751
207  +++++++++++++++++++++++++++++++++++++++++++++++
208  CID : 18
209  Time Since Last Arrival  : 6
210  Arrival Time : 78
211  Service Time : 3
212  Time Server Begins  : 78
213  Time Customer waits in Queue : 0
214  Time Service End : 81
215  Time Customer Spends in System : 3
216  Idle Time of Server : 1
217  Random Digit for Service Time : 37
218  Random Digit for Arrival Time : 737
219  +++++++++++++++++++++++++++++++++++++++++++++++
220  CID : 19
221  Time Since Last Arrival  : 4
222  Arrival Time : 82
223  Service Time : 1
224  Time Server Begins  : 82
225  Time Customer waits in Queue : 0
226  Time Service End : 83
227  Time Customer Spends in System : 1
228  Idle Time of Server : 1
229  Random Digit for Service Time : 6
230  Random Digit for Arrival Time : 402
231  +++++++++++++++++++++++++++++++++++++++++++++++
232  CID : 20
233  Time Since Last Arrival  : 5
234  Arrival Time : 87
235  Service Time : 3
236  Time Server Begins  : 87
```

```
237   Time Customer waits in Queue : 0
238   Time Service End : 90
239   Time Customer Spends in System : 3
240   Idle Time of Server : 4
241   Random Digit for Service Time : 55
242   Random Digit for Arrival Time : 522
243   +++++++++++++++++++++++++++++++++++++++++++++++
244   CID : 21
245   Time Since Last Arrival  : 6
246   Arrival Time : 93
247   Service Time : 4
248   Time Server Begins  : 93
249   Time Customer waits in Queue : 0
250   Time Service End : 97
251   Time Customer Spends in System : 4
252   Idle Time of Server : 3
253   Random Digit for Service Time : 78
254   Random Digit for Arrival Time : 746
255   +++++++++++++++++++++++++++++++++++++++++++++++
256   CID : 22
257   Time Since Last Arrival  : 6
258   Arrival Time : 99
259   Service Time : 3
260   Time Server Begins  : 99
261   Time Customer waits in Queue : 0
262   Time Service End : 102
263   Time Customer Spends in System : 3
264   Idle Time of Server : 2
265   Random Digit for Service Time : 34
266   Random Digit for Arrival Time : 659
267   +++++++++++++++++++++++++++++++++++++++++++++++
268   CID : 23
269   Time Since Last Arrival  : 7
270   Arrival Time : 106
271   Service Time : 6
272   Time Server Begins  : 106
273   Time Customer waits in Queue : 0
274   Time Service End : 112
275   Time Customer Spends in System : 6
276   Idle Time of Server : 4
277   Random Digit for Service Time : 99
278   Random Digit for Arrival Time : 800
279   +++++++++++++++++++++++++++++++++++++++++++++++
280   CID : 24
281   Time Since Last Arrival  : 7
282   Arrival Time : 113
283   Service Time : 4
284   Time Server Begins  : 113
285   Time Customer waits in Queue : 0
286   Time Service End : 117
287   Time Customer Spends in System : 4
288   Idle Time of Server : 1
289   Random Digit for Service Time : 82
290   Random Digit for Arrival Time : 784
291   +++++++++++++++++++++++++++++++++++++++++++++++
292   CID : 25
293   Time Since Last Arrival  : 2
294   Arrival Time : 115
295   Service Time : 2
```

```
296   Time Server Begins  : 117
297   Time Customer waits in Queue : 2
298   Time Service End : 119
299   Time Customer Spends in System : 4
300   Idle Time of Server : 0
301   Random Digit for Service Time : 20
302   Random Digit for Arrival Time : 201
303   ++++++++++++++++++++++++++++++++++++++++++++++
304   CID : 26
305   Time Since Last Arrival  : 8
306   Arrival Time : 123
307   Service Time : 1
308   Time Server Begins  : 123
309   Time Customer waits in Queue : 0
310   Time Service End : 124
311   Time Customer Spends in System : 1
312   Idle Time of Server : 4
313   Random Digit for Service Time : 9
314   Random Digit for Arrival Time : 958
315   ++++++++++++++++++++++++++++++++++++++++++++++
316   CID : 27
317   Time Since Last Arrival  : 6
318   Arrival Time : 129
319   Service Time : 1
320   Time Server Begins  : 129
321   Time Customer waits in Queue : 0
322   Time Service End : 130
323   Time Customer Spends in System : 1
324   Idle Time of Server : 5
325   Random Digit for Service Time : 2
326   Random Digit for Arrival Time : 712
327   ++++++++++++++++++++++++++++++++++++++++++++++
328   CID : 28
329   Time Since Last Arrival  : 2
330   Arrival Time : 131
331   Service Time : 4
332   Time Server Begins  : 131
333   Time Customer waits in Queue : 0
334   Time Service End : 135
335   Time Customer Spends in System : 4
336   Idle Time of Server : 1
337   Random Digit for Service Time : 67
338   Random Digit for Arrival Time : 164
339   ++++++++++++++++++++++++++++++++++++++++++++++
340   CID : 29
341   Time Since Last Arrival  : 1
342   Arrival Time : 132
343   Service Time : 2
344   Time Server Begins  : 135
345   Time Customer waits in Queue : 3
346   Time Service End : 137
347   Time Customer Spends in System : 5
348   Idle Time of Server : 0
349   Random Digit for Service Time : 30
350   Random Digit for Arrival Time : 85
351   ++++++++++++++++++++++++++++++++++++++++++++++
352   CID : 30
353   Time Since Last Arrival  : 1
354   Arrival Time : 133
```

```
355   Service Time : 4
356   Time Server Begins  : 137
357   Time Customer waits in Queue : 4
358   Time Service End : 141
359   Time Customer Spends in System : 8
360   Idle Time of Server : 0
361   Random Digit for Service Time : 64
362   Random Digit for Arrival Time : 83
363   ++++++++++++++++++++++++++++++++++++++++++++++
364   CID : 31
365   Time Since Last Arrival  : 6
366   Arrival Time : 139
367   Service Time : 2
368   Time Server Begins  : 141
369   Time Customer waits in Queue : 2
370   Time Service End : 143
371   Time Customer Spends in System : 4
372   Idle Time of Server : 0
373   Random Digit for Service Time : 26
374   Random Digit for Arrival Time : 701
375   ++++++++++++++++++++++++++++++++++++++++++++++
376   CID : 32
377   Time Since Last Arrival  : 2
378   Arrival Time : 141
379   Service Time : 1
380   Time Server Begins  : 143
381   Time Customer waits in Queue : 2
382   Time Service End : 144
383   Time Customer Spends in System : 3
384   Idle Time of Server : 0
385   Random Digit for Service Time : 6
386   Random Digit for Arrival Time : 187
387   ++++++++++++++++++++++++++++++++++++++++++++++
388   CID : 33
389   Time Since Last Arrival  : 7
390   Arrival Time : 148
391   Service Time : 3
392   Time Server Begins  : 148
393   Time Customer waits in Queue : 0
394   Time Service End : 151
395   Time Customer Spends in System : 3
396   Idle Time of Server : 4
397   Random Digit for Service Time : 40
398   Random Digit for Arrival Time : 837
399   ++++++++++++++++++++++++++++++++++++++++++++++
400   CID : 34
401   Time Since Last Arrival  : 5
402   Arrival Time : 153
403   Service Time : 3
404   Time Server Begins  : 153
405   Time Customer waits in Queue : 0
406   Time Service End : 156
407   Time Customer Spends in System : 3
408   Idle Time of Server : 2
409   Random Digit for Service Time : 32
410   Random Digit for Arrival Time : 583
411   ++++++++++++++++++++++++++++++++++++++++++++++
412   CID : 35
413   Time Since Last Arrival  : 7
```

```
414   Arrival Time : 160
415   Service Time : 3
416   Time Server Begins  : 160
417   Time Customer waits in Queue : 0
418   Time Service End : 163
419   Time Customer Spends in System : 3
420   Idle Time of Server : 4
421   Random Digit for Service Time : 58
422   Random Digit for Arrival Time : 862
423   +++++++++++++++++++++++++++++++++++++++++++++++
424   CID : 36
425   Time Since Last Arrival  : 4
426   Arrival Time : 164
427   Service Time : 4
428   Time Server Begins  : 164
429   Time Customer waits in Queue : 0
430   Time Service End : 168
431   Time Customer Spends in System : 4
432   Idle Time of Server : 1
433   Random Digit for Service Time : 83
434   Random Digit for Arrival Time : 464
435   +++++++++++++++++++++++++++++++++++++++++++++++
436   CID : 37
437   Time Since Last Arrival  : 7
438   Arrival Time : 171
439   Service Time : 1
440   Time Server Begins  : 171
441   Time Customer waits in Queue : 0
442   Time Service End : 172
443   Time Customer Spends in System : 1
444   Idle Time of Server : 3
445   Random Digit for Service Time : 3
446   Random Digit for Arrival Time : 847
447   +++++++++++++++++++++++++++++++++++++++++++++++
448   CID : 38
449   Time Since Last Arrival  : 8
450   Arrival Time : 179
451   Service Time : 3
452   Time Server Begins  : 179
453   Time Customer waits in Queue : 0
454   Time Service End : 182
455   Time Customer Spends in System : 3
456   Idle Time of Server : 7
457   Random Digit for Service Time : 49
458   Random Digit for Arrival Time : 968
459   +++++++++++++++++++++++++++++++++++++++++++++++
460   CID : 39
461   Time Since Last Arrival  : 4
462   Arrival Time : 183
463   Service Time : 3
464   Time Server Begins  : 183
465   Time Customer waits in Queue : 0
466   Time Service End : 186
467   Time Customer Spends in System : 3
468   Idle Time of Server : 1
469   Random Digit for Service Time : 46
470   Random Digit for Arrival Time : 441
471   +++++++++++++++++++++++++++++++++++++++++++++++
472   CID : 40
```

```
473  Time Since Last Arrival  : 3
474  Arrival Time : 186
475  Service Time : 3
476  Time Server Begins  : 186
477  Time Customer waits in Queue : 0
478  Time Service End : 189
479  Time Customer Spends in System : 3
480  Idle Time of Server : 0
481  Random Digit for Service Time : 57
482  Random Digit for Arrival Time : 308
483  ++++++++++++++++++++++++++++++++++++++++++++++++
484  CID : 41
485  Time Since Last Arrival  : 5
486  Arrival Time : 191
487  Service Time : 2
488  Time Server Begins  : 191
489  Time Customer waits in Queue : 0
490  Time Service End : 193
491  Time Customer Spends in System : 2
492  Idle Time of Server : 2
493  Random Digit for Service Time : 26
494  Random Digit for Arrival Time : 570
495  ++++++++++++++++++++++++++++++++++++++++++++++++
496  CID : 42
497  Time Since Last Arrival  : 3
498  Arrival Time : 194
499  Service Time : 4
500  Time Server Begins  : 194
501  Time Customer waits in Queue : 0
502  Time Service End : 198
503  Time Customer Spends in System : 4
504  Idle Time of Server : 1
505  Random Digit for Service Time : 62
506  Random Digit for Arrival Time : 365
507  ++++++++++++++++++++++++++++++++++++++++++++++++
508  CID : 43
509  Time Since Last Arrival  : 7
510  Arrival Time : 201
511  Service Time : 2
512  Time Server Begins  : 201
513  Time Customer waits in Queue : 0
514  Time Service End : 203
515  Time Customer Spends in System : 2
516  Idle Time of Server : 3
517  Random Digit for Service Time : 11
518  Random Digit for Arrival Time : 766
519  ++++++++++++++++++++++++++++++++++++++++++++++++
520  CID : 44
521  Time Since Last Arrival  : 6
522  Arrival Time : 207
523  Service Time : 3
524  Time Server Begins  : 207
525  Time Customer waits in Queue : 0
526  Time Service End : 210
527  Time Customer Spends in System : 3
528  Idle Time of Server : 4
529  Random Digit for Service Time : 46
530  Random Digit for Arrival Time : 706
531  ++++++++++++++++++++++++++++++++++++++++++++++++
```

```
532  CID : 45
533  Time Since Last Arrival  : 2
534  Arrival Time : 209
535  Service Time : 5
536  Time Server Begins  : 210
537  Time Customer waits in Queue : 1
538  Time Service End : 215
539  Time Customer Spends in System : 6
540  Idle Time of Server : 0
541  Random Digit for Service Time : 95
542  Random Digit for Arrival Time : 214
543  ++++++++++++++++++++++++++++++++++++++++++++++
544  CID : 46
545  Time Since Last Arrival  : 7
546  Arrival Time : 216
547  Service Time : 3
548  Time Server Begins  : 216
549  Time Customer waits in Queue : 0
550  Time Service End : 219
551  Time Customer Spends in System : 3
552  Idle Time of Server : 1
553  Random Digit for Service Time : 32
554  Random Digit for Arrival Time : 776
555  ++++++++++++++++++++++++++++++++++++++++++++++
556  CID : 47
557  Time Since Last Arrival  : 2
558  Arrival Time : 218
559  Service Time : 6
560  Time Server Begins  : 219
561  Time Customer waits in Queue : 1
562  Time Service End : 225
563  Time Customer Spends in System : 7
564  Idle Time of Server : 0
565  Random Digit for Service Time : 96
566  Random Digit for Arrival Time : 155
567  ++++++++++++++++++++++++++++++++++++++++++++++
568  CID : 48
569  Time Since Last Arrival  : 3
570  Arrival Time : 221
571  Service Time : 5
572  Time Server Begins  : 225
573  Time Customer waits in Queue : 4
574  Time Service End : 230
575  Time Customer Spends in System : 9
576  Idle Time of Server : 0
577  Random Digit for Service Time : 95
578  Random Digit for Arrival Time : 277
579  ++++++++++++++++++++++++++++++++++++++++++++++
580  CID : 49
581  Time Since Last Arrival  : 7
582  Arrival Time : 228
583  Service Time : 3
584  Time Server Begins  : 230
585  Time Customer waits in Queue : 2
586  Time Service End : 233
587  Time Customer Spends in System : 5
588  Idle Time of Server : 0
589  Random Digit for Service Time : 43
590  Random Digit for Arrival Time : 817
```

```
591  +++++++++++++++++++++++++++++++++++++++++++++++
592  CID : 50
593  Time Since Last Arrival  : 8
594  Arrival Time : 236
595  Service Time : 3
596  Time Server Begins  : 236
597  Time Customer waits in Queue : 0
598  Time Service End : 239
599  Time Customer Spends in System : 3
600  Idle Time of Server : 3
601  Random Digit for Service Time : 49
602  Random Digit for Arrival Time : 952
603  +++++++++++++++++++++++++++++++++++++++++++++++
604  CID : 51
605  Time Since Last Arrival  : 5
606  Arrival Time : 241
607  Service Time : 3
608  Time Server Begins  : 241
609  Time Customer waits in Queue : 0
610  Time Service End : 244
611  Time Customer Spends in System : 3
612  Idle Time of Server : 2
613  Random Digit for Service Time : 45
614  Random Digit for Arrival Time : 599
615  +++++++++++++++++++++++++++++++++++++++++++++++
616  CID : 52
617  Time Since Last Arrival  : 3
618  Arrival Time : 244
619  Service Time : 3
620  Time Server Begins  : 244
621  Time Customer waits in Queue : 0
622  Time Service End : 247
623  Time Customer Spends in System : 3
624  Idle Time of Server : 0
625  Random Digit for Service Time : 55
626  Random Digit for Arrival Time : 330
627  +++++++++++++++++++++++++++++++++++++++++++++++
628  CID : 53
629  Time Since Last Arrival  : 4
630  Arrival Time : 248
631  Service Time : 1
632  Time Server Begins  : 248
633  Time Customer waits in Queue : 0
634  Time Service End : 249
635  Time Customer Spends in System : 1
636  Idle Time of Server : 1
637  Random Digit for Service Time : 1
638  Random Digit for Arrival Time : 494
639  +++++++++++++++++++++++++++++++++++++++++++++++
640  CID : 54
641  Time Since Last Arrival  : 3
642  Arrival Time : 251
643  Service Time : 4
644  Time Server Begins  : 251
645  Time Customer waits in Queue : 0
646  Time Service End : 255
647  Time Customer Spends in System : 4
648  Idle Time of Server : 2
649  Random Digit for Service Time : 72
```

```
650  Random Digit for Arrival Time : 350
651  +++++++++++++++++++++++++++++++++++++++++++++++
652  CID : 55
653  Time Since Last Arrival  : 3
654  Arrival Time : 254
655  Service Time : 4
656  Time Server Begins  : 255
657  Time Customer waits in Queue : 1
658  Time Service End : 259
659  Time Customer Spends in System : 5
660  Idle Time of Server : 0
661  Random Digit for Service Time : 77
662  Random Digit for Arrival Time : 332
663  +++++++++++++++++++++++++++++++++++++++++++++++
664  CID : 56
665  Time Since Last Arrival  : 1
666  Arrival Time : 255
667  Service Time : 4
668  Time Server Begins  : 259
669  Time Customer waits in Queue : 4
670  Time Service End : 263
671  Time Customer Spends in System : 8
672  Idle Time of Server : 0
673  Random Digit for Service Time : 70
674  Random Digit for Arrival Time : 90
675  +++++++++++++++++++++++++++++++++++++++++++++++
676  CID : 57
677  Time Since Last Arrival  : 3
678  Arrival Time : 258
679  Service Time : 2
680  Time Server Begins  : 263
681  Time Customer waits in Queue : 5
682  Time Service End : 265
683  Time Customer Spends in System : 7
684  Idle Time of Server : 0
685  Random Digit for Service Time : 17
686  Random Digit for Arrival Time : 268
687  +++++++++++++++++++++++++++++++++++++++++++++++
688  CID : 58
689  Time Since Last Arrival  : 4
690  Arrival Time : 262
691  Service Time : 3
692  Time Server Begins  : 265
693  Time Customer waits in Queue : 3
694  Time Service End : 268
695  Time Customer Spends in System : 6
696  Idle Time of Server : 0
697  Random Digit for Service Time : 43
698  Random Digit for Arrival Time : 473
699  +++++++++++++++++++++++++++++++++++++++++++++++
700  CID : 59
701  Time Since Last Arrival  : 8
702  Arrival Time : 270
703  Service Time : 2
704  Time Server Begins  : 270
705  Time Customer waits in Queue : 0
706  Time Service End : 272
707  Time Customer Spends in System : 2
708  Idle Time of Server : 2
```

```
709  Random Digit for Service Time : 25
710  Random Digit for Arrival Time : 966
711  +++++++++++++++++++++++++++++++++++++++++++++++
712  CID : 60
713  Time Since Last Arrival  : 2
714  Arrival Time : 272
715  Service Time : 3
716  Time Server Begins  : 272
717  Time Customer waits in Queue : 0
718  Time Service End : 275
719  Time Customer Spends in System : 3
720  Idle Time of Server : 0
721  Random Digit for Service Time : 41
722  Random Digit for Arrival Time : 224
723  +++++++++++++++++++++++++++++++++++++++++++++++
724  CID : 61
725  Time Since Last Arrival  : 2
726  Arrival Time : 274
727  Service Time : 2
728  Time Server Begins  : 275
729  Time Customer waits in Queue : 1
730  Time Service End : 277
731  Time Customer Spends in System : 3
732  Idle Time of Server : 0
733  Random Digit for Service Time : 11
734  Random Digit for Arrival Time : 176
735  +++++++++++++++++++++++++++++++++++++++++++++++
736  CID : 62
737  Time Since Last Arrival  : 6
738  Arrival Time : 280
739  Service Time : 4
740  Time Server Begins  : 280
741  Time Customer waits in Queue : 0
742  Time Service End : 284
743  Time Customer Spends in System : 4
744  Idle Time of Server : 3
745  Random Digit for Service Time : 80
746  Random Digit for Arrival Time : 749
747  +++++++++++++++++++++++++++++++++++++++++++++++
748  CID : 63
749  Time Since Last Arrival  : 5
750  Arrival Time : 285
751  Service Time : 2
752  Time Server Begins  : 285
753  Time Customer waits in Queue : 0
754  Time Service End : 287
755  Time Customer Spends in System : 2
756  Idle Time of Server : 1
757  Random Digit for Service Time : 14
758  Random Digit for Arrival Time : 611
759  +++++++++++++++++++++++++++++++++++++++++++++++
760  CID : 64
761  Time Since Last Arrival  : 1
762  Arrival Time : 286
763  Service Time : 4
764  Time Server Begins  : 287
765  Time Customer waits in Queue : 1
766  Time Service End : 291
767  Time Customer Spends in System : 5
```

```
768  Idle Time of Server : 0
769  Random Digit for Service Time : 68
770  Random Digit for Arrival Time : 89
771  +++++++++++++++++++++++++++++++++++++++++++++++
772  CID : 65
773  Time Since Last Arrival  : 2
774  Arrival Time : 288
775  Service Time : 1
776  Time Server Begins  : 291
777  Time Customer waits in Queue : 3
778  Time Service End : 292
779  Time Customer Spends in System : 4
780  Idle Time of Server : 0
781  Random Digit for Service Time : 4
782  Random Digit for Arrival Time : 224
783  +++++++++++++++++++++++++++++++++++++++++++++++
784  CID : 66
785  Time Since Last Arrival  : 5
786  Arrival Time : 293
787  Service Time : 3
788  Time Server Begins  : 293
789  Time Customer waits in Queue : 0
790  Time Service End : 296
791  Time Customer Spends in System : 3
792  Idle Time of Server : 1
793  Random Digit for Service Time : 50
794  Random Digit for Arrival Time : 527
795  +++++++++++++++++++++++++++++++++++++++++++++++
796  CID : 67
797  Time Since Last Arrival  : 4
798  Arrival Time : 297
799  Service Time : 3
800  Time Server Begins  : 297
801  Time Customer waits in Queue : 0
802  Time Service End : 300
803  Time Customer Spends in System : 3
804  Idle Time of Server : 1
805  Random Digit for Service Time : 33
806  Random Digit for Arrival Time : 446
807  +++++++++++++++++++++++++++++++++++++++++++++++
808  CID : 68
809  Time Since Last Arrival  : 3
810  Arrival Time : 300
811  Service Time : 3
812  Time Server Begins  : 300
813  Time Customer waits in Queue : 0
814  Time Service End : 303
815  Time Customer Spends in System : 3
816  Idle Time of Server : 0
817  Random Digit for Service Time : 49
818  Random Digit for Arrival Time : 257
819  +++++++++++++++++++++++++++++++++++++++++++++++
820  CID : 69
821  Time Since Last Arrival  : 3
822  Arrival Time : 303
823  Service Time : 4
824  Time Server Begins  : 303
825  Time Customer waits in Queue : 0
826  Time Service End : 307
```

```
827  Time Customer Spends in System : 4
828  Idle Time of Server : 0
829  Random Digit for Service Time : 85
830  Random Digit for Arrival Time : 358
831  +++++++++++++++++++++++++++++++++++++++++++++
832  CID : 70
833  Time Since Last Arrival  : 4
834  Arrival Time : 307
835  Service Time : 1
836  Time Server Begins  : 307
837  Time Customer waits in Queue : 0
838  Time Service End : 308
839  Time Customer Spends in System : 1
840  Idle Time of Server : 0
841  Random Digit for Service Time : 1
842  Random Digit for Arrival Time : 459
843  +++++++++++++++++++++++++++++++++++++++++++++
844  CID : 71
845  Time Since Last Arrival  : 6
846  Arrival Time : 313
847  Service Time : 1
848  Time Server Begins  : 313
849  Time Customer waits in Queue : 0
850  Time Service End : 314
851  Time Customer Spends in System : 1
852  Idle Time of Server : 5
853  Random Digit for Service Time : 5
854  Random Digit for Arrival Time : 676
855  +++++++++++++++++++++++++++++++++++++++++++++
856  CID : 72
857  Time Since Last Arrival  : 8
858  Arrival Time : 321
859  Service Time : 1
860  Time Server Begins  : 321
861  Time Customer waits in Queue : 0
862  Time Service End : 322
863  Time Customer Spends in System : 1
864  Idle Time of Server : 7
865  Random Digit for Service Time : 8
866  Random Digit for Arrival Time : 897
867  +++++++++++++++++++++++++++++++++++++++++++++
868  CID : 73
869  Time Since Last Arrival  : 5
870  Arrival Time : 326
871  Service Time : 4
872  Time Server Begins  : 326
873  Time Customer waits in Queue : 0
874  Time Service End : 330
875  Time Customer Spends in System : 4
876  Idle Time of Server : 4
877  Random Digit for Service Time : 72
878  Random Digit for Arrival Time : 565
879  +++++++++++++++++++++++++++++++++++++++++++++
880  CID : 74
881  Time Since Last Arrival  : 7
882  Arrival Time : 333
883  Service Time : 2
884  Time Server Begins  : 333
885  Time Customer waits in Queue : 0
```

```
886   Time Service End : 335
887   Time Customer Spends in System : 2
888   Idle Time of Server : 3
889   Random Digit for Service Time : 29
890   Random Digit for Arrival Time : 782
891   ++++++++++++++++++++++++++++++++++++++++++++++
892   CID : 75
893   Time Since Last Arrival  : 8
894   Arrival Time : 341
895   Service Time : 4
896   Time Server Begins  : 341
897   Time Customer waits in Queue : 0
898   Time Service End : 345
899   Time Customer Spends in System : 4
900   Idle Time of Server : 6
901   Random Digit for Service Time : 66
902   Random Digit for Arrival Time : 938
903   ++++++++++++++++++++++++++++++++++++++++++++++
904   CID : 76
905   Time Since Last Arrival  : 3
906   Arrival Time : 344
907   Service Time : 4
908   Time Server Begins  : 345
909   Time Customer waits in Queue : 1
910   Time Service End : 349
911   Time Customer Spends in System : 5
912   Idle Time of Server : 0
913   Random Digit for Service Time : 84
914   Random Digit for Arrival Time : 302
915   ++++++++++++++++++++++++++++++++++++++++++++++
916   CID : 77
917   Time Since Last Arrival  : 5
918   Arrival Time : 349
919   Service Time : 1
920   Time Server Begins  : 349
921   Time Customer waits in Queue : 0
922   Time Service End : 350
923   Time Customer Spends in System : 1
924   Idle Time of Server : 0
925   Random Digit for Service Time : 5
926   Random Digit for Arrival Time : 538
927   ++++++++++++++++++++++++++++++++++++++++++++++
928   CID : 78
929   Time Since Last Arrival  : 5
930   Arrival Time : 354
931   Service Time : 4
932   Time Server Begins  : 354
933   Time Customer waits in Queue : 0
934   Time Service End : 358
935   Time Customer Spends in System : 4
936   Idle Time of Server : 4
937   Random Digit for Service Time : 68
938   Random Digit for Arrival Time : 520
939   ++++++++++++++++++++++++++++++++++++++++++++++
940   CID : 79
941   Time Since Last Arrival  : 7
942   Arrival Time : 361
943   Service Time : 1
944   Time Server Begins  : 361
```

```
 945   Time Customer waits in Queue : 0
 946   Time Service End : 362
 947   Time Customer Spends in System : 1
 948   Idle Time of Server : 3
 949   Random Digit for Service Time : 2
 950   Random Digit for Arrival Time : 809
 951   +++++++++++++++++++++++++++++++++++++++++++++
 952   CID : 80
 953   Time Since Last Arrival  : 1
 954   Arrival Time : 362
 955   Service Time : 3
 956   Time Server Begins  : 362
 957   Time Customer waits in Queue : 0
 958   Time Service End : 365
 959   Time Customer Spends in System : 3
 960   Idle Time of Server : 0
 961   Random Digit for Service Time : 58
 962   Random Digit for Arrival Time : 14
 963   +++++++++++++++++++++++++++++++++++++++++++++
 964   CID : 81
 965   Time Since Last Arrival  : 1
 966   Arrival Time : 363
 967   Service Time : 3
 968   Time Server Begins  : 365
 969   Time Customer waits in Queue : 2
 970   Time Service End : 368
 971   Time Customer Spends in System : 5
 972   Idle Time of Server : 0
 973   Random Digit for Service Time : 44
 974   Random Digit for Arrival Time : 74
 975   +++++++++++++++++++++++++++++++++++++++++++++
 976   CID : 82
 977   Time Since Last Arrival  : 3
 978   Arrival Time : 366
 979   Service Time : 4
 980   Time Server Begins  : 368
 981   Time Customer waits in Queue : 2
 982   Time Service End : 372
 983   Time Customer Spends in System : 6
 984   Idle Time of Server : 0
 985   Random Digit for Service Time : 66
 986   Random Digit for Arrival Time : 289
 987   +++++++++++++++++++++++++++++++++++++++++++++
 988   CID : 83
 989   Time Since Last Arrival  : 1
 990   Arrival Time : 367
 991   Service Time : 6
 992   Time Server Begins  : 372
 993   Time Customer waits in Queue : 5
 994   Time Service End : 378
 995   Time Customer Spends in System : 11
 996   Idle Time of Server : 0
 997   Random Digit for Service Time : 96
 998   Random Digit for Arrival Time : 72
 999   +++++++++++++++++++++++++++++++++++++++++++++
1000   CID : 84
1001   Time Since Last Arrival  : 7
1002   Arrival Time : 374
1003   Service Time : 5
```

```
1004   Time Server Begins  : 378
1005   Time Customer waits in Queue : 4
1006   Time Service End : 383
1007   Time Customer Spends in System : 9
1008   Idle Time of Server : 0
1009   Random Digit for Service Time : 91
1010   Random Digit for Arrival Time : 828
1011   +++++++++++++++++++++++++++++++++++++++++++
1012   CID : 85
1013   Time Since Last Arrival  : 1
1014   Arrival Time : 375
1015   Service Time : 2
1016   Time Server Begins  : 383
1017   Time Customer waits in Queue : 8
1018   Time Service End : 385
1019   Time Customer Spends in System : 10
1020   Idle Time of Server : 0
1021   Random Digit for Service Time : 12
1022   Random Digit for Arrival Time : 4
1023   +++++++++++++++++++++++++++++++++++++++++++
1024   CID : 86
1025   Time Since Last Arrival  : 8
1026   Arrival Time : 383
1027   Service Time : 3
1028   Time Server Begins  : 385
1029   Time Customer waits in Queue : 2
1030   Time Service End : 388
1031   Time Customer Spends in System : 5
1032   Idle Time of Server : 0
1033   Random Digit for Service Time : 39
1034   Random Digit for Arrival Time : 972
1035   +++++++++++++++++++++++++++++++++++++++++++
1036   CID : 87
1037   Time Since Last Arrival  : 7
1038   Arrival Time : 390
1039   Service Time : 4
1040   Time Server Begins  : 390
1041   Time Customer waits in Queue : 0
1042   Time Service End : 394
1043   Time Customer Spends in System : 4
1044   Idle Time of Server : 2
1045   Random Digit for Service Time : 82
1046   Random Digit for Arrival Time : 788
1047   +++++++++++++++++++++++++++++++++++++++++++
1048   CID : 88
1049   Time Since Last Arrival  : 5
1050   Arrival Time : 395
1051   Service Time : 3
1052   Time Server Begins  : 395
1053   Time Customer waits in Queue : 0
1054   Time Service End : 398
1055   Time Customer Spends in System : 3
1056   Idle Time of Server : 1
1057   Random Digit for Service Time : 53
1058   Random Digit for Arrival Time : 619
1059   +++++++++++++++++++++++++++++++++++++++++++
1060   CID : 89
1061   Time Since Last Arrival  : 3
1062   Arrival Time : 398
```

```
1063  Service Time : 4
1064  Time Server Begins  : 398
1065  Time Customer waits in Queue : 0
1066  Time Service End : 402
1067  Time Customer Spends in System : 4
1068  Idle Time of Server : 0
1069  Random Digit for Service Time : 83
1070  Random Digit for Arrival Time : 291
1071  +++++++++++++++++++++++++++++++++++++++++++++
1072  CID : 90
1073  Time Since Last Arrival  : 6
1074  Arrival Time : 404
1075  Service Time : 2
1076  Time Server Begins  : 404
1077  Time Customer waits in Queue : 0
1078  Time Service End : 406
1079  Time Customer Spends in System : 2
1080  Idle Time of Server : 2
1081  Random Digit for Service Time : 28
1082  Random Digit for Arrival Time : 744
1083  +++++++++++++++++++++++++++++++++++++++++++++
1084  CID : 91
1085  Time Since Last Arrival  : 7
1086  Arrival Time : 411
1087  Service Time : 3
1088  Time Server Begins  : 411
1089  Time Customer waits in Queue : 0
1090  Time Service End : 414
1091  Time Customer Spends in System : 3
1092  Idle Time of Server : 5
1093  Random Digit for Service Time : 40
1094  Random Digit for Arrival Time : 821
1095  +++++++++++++++++++++++++++++++++++++++++++++
1096  CID : 92
1097  Time Since Last Arrival  : 1
1098  Arrival Time : 412
1099  Service Time : 2
1100  Time Server Begins  : 414
1101  Time Customer waits in Queue : 2
1102  Time Service End : 416
1103  Time Customer Spends in System : 4
1104  Idle Time of Server : 0
1105  Random Digit for Service Time : 11
1106  Random Digit for Arrival Time : 14
1107  +++++++++++++++++++++++++++++++++++++++++++++
1108  CID : 93
1109  Time Since Last Arrival  : 4
1110  Arrival Time : 416
1111  Service Time : 3
1112  Time Server Begins  : 416
1113  Time Customer waits in Queue : 0
1114  Time Service End : 419
1115  Time Customer Spends in System : 3
1116  Idle Time of Server : 0
1117  Random Digit for Service Time : 55
1118  Random Digit for Arrival Time : 443
1119  +++++++++++++++++++++++++++++++++++++++++++++
1120  CID : 94
1121  Time Since Last Arrival  : 1
```

```
1122  Arrival Time : 417
1123  Service Time : 2
1124  Time Server Begins  : 419
1125  Time Customer waits in Queue : 2
1126  Time Service End : 421
1127  Time Customer Spends in System : 4
1128  Idle Time of Server : 0
1129  Random Digit for Service Time : 26
1130  Random Digit for Arrival Time : 19
1131  +++++++++++++++++++++++++++++++++++++++++++++++
1132  CID : 95
1133  Time Since Last Arrival  : 6
1134  Arrival Time : 423
1135  Service Time : 5
1136  Time Server Begins  : 423
1137  Time Customer waits in Queue : 0
1138  Time Service End : 428
1139  Time Customer Spends in System : 5
1140  Idle Time of Server : 2
1141  Random Digit for Service Time : 92
1142  Random Digit for Arrival Time : 664
1143  +++++++++++++++++++++++++++++++++++++++++++++++
1144  CID : 96
1145  Time Since Last Arrival  : 2
1146  Arrival Time : 425
1147  Service Time : 1
1148  Time Server Begins  : 428
1149  Time Customer waits in Queue : 3
1150  Time Service End : 429
1151  Time Customer Spends in System : 4
1152  Idle Time of Server : 0
1153  Random Digit for Service Time : 6
1154  Random Digit for Arrival Time : 150
1155  +++++++++++++++++++++++++++++++++++++++++++++++
1156  CID : 97
1157  Time Since Last Arrival  : 2
1158  Arrival Time : 427
1159  Service Time : 1
1160  Time Server Begins  : 429
1161  Time Customer waits in Queue : 2
1162  Time Service End : 430
1163  Time Customer Spends in System : 3
1164  Idle Time of Server : 0
1165  Random Digit for Service Time : 7
1166  Random Digit for Arrival Time : 133
1167  +++++++++++++++++++++++++++++++++++++++++++++++
1168  CID : 98
1169  Time Since Last Arrival  : 4
1170  Arrival Time : 431
1171  Service Time : 1
1172  Time Server Begins  : 431
1173  Time Customer waits in Queue : 0
1174  Time Service End : 432
1175  Time Customer Spends in System : 1
1176  Idle Time of Server : 1
1177  Random Digit for Service Time : 8
1178  Random Digit for Arrival Time : 466
1179  +++++++++++++++++++++++++++++++++++++++++++++++
1180  CID : 99
```

```
1181  Time Since Last Arrival  : 3
1182  Arrival Time : 434
1183  Service Time : 2
1184  Time Server Begins  : 434
1185  Time Customer waits in Queue : 0
1186  Time Service End : 436
1187  Time Customer Spends in System : 2
1188  Idle Time of Server : 2
1189  Random Digit for Service Time : 29
1190  Random Digit for Arrival Time : 253
1191  +++++++++++++++++++++++++++++++++++++++++++++++++
1192  CID : 100
1193  Time Since Last Arrival  : 4
1194  Arrival Time : 438
1195  Service Time : 3
1196  Time Server Begins  : 438
1197  Time Customer waits in Queue : 0
1198  Time Service End : 441
1199  Time Customer Spends in System : 3
1200  Idle Time of Server : 2
1201  Random Digit for Service Time : 49
1202  Random Digit for Arrival Time : 389
1203  +++++++++++++++++++++++++++++++++++++++++++++++++
1204  average waiting time for a customer : 0.92
1205  probably that a customer has to wait in queue  : 0.35
1206  fraction of idle time of the server : 0.34467120181405897
1207  probably of the server being busy : 0.655328798185941
1208  average service time : 2.89
1209  expected value : 3.2
1210  average time between arrivals : 4.424242424242424
1211  discrete uniform distribution : 4.5
1212  average waiting time of those who wait : 2.6285714285714286
1213  average time a customer spends in the system : 3.81
1214  average time customer spends in the system : 3.81
1215  Excel written successfully..
1216
1217  Process finished with exit code 0
1218
```