

File - Main

```
1 "C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2019.2.3\jbr\bin\java.exe" "-javaagent:C:\Program
   Files\JetBrains\IntelliJ IDEA Community Edition 2019.2.3\lib\idea_rt.jar=50310:C:\Program Files\JetBrains\
   IntelliJ IDEA Community Edition 2019.2.3\bin" -Dfile.encoding=UTF-8 -classpath "C:\Users\callu\Documents\UEA\
   Year_1\Programming 1\Semester 2\Assignment 2\out\production\Assignment 2" com.Greedy.Simulate
2 343172#Nour Buxton#44#1200
3 585865#Sheldon Kidd#14#2800
4 196225#Savanna Sosa#23#2000
5 576012#Kelise Charles#8#2800
6 841098#Kate Hammond#10#380
7 330114#Amelie Hughes#6#50
8 740737#Saarah Cole#20#3600#STUDENT
9 980610#Aurora Mcleod#11#2600
10 748166#Lucille Swan#29#800#STUDENT
11 676356#Davina Lennon#13#3400
12 261265#Kiri Kramer#19#3400#STUDENT
13 506655#Jo Riggs#18#400#STUDENT
14 486813#Adrianna Needham#19#1800#STUDENT
15 216600#Rajan Sanchez#7#500
16 264474#Rowena Kaiser#46#1600
17 522136#Khloe Stokes#36#1000
18 662421#Naya Byrd#4#500
19 901420#Paige Barclay#21#140#STUDENT
20 493478#Kaya Sellers#36#1000#FAMILY
21 851886#Rhodri Santana#7#500
22 203685#Lois Romero#12#360
23 169253#Tamera Gallagher#12#400
24 841380#Liberty Allman#7#100
25 131883#Rafael Blackburn#11#1000#FAMILY
26 427446#Eli Bowler#14#2800
27 326965#Amy Mckinney#14#4000#FAMILY
28 482358#Theon Frost#4#3500
29 244912#Cadi Paul#11#2000
30 977723#Mali Burn#45#1400
31 386352#Jarod Bautista#4#1000#FAMILY
32 305459#Lewie King#12#3200
33 638897#Ewen Dolan#15#800
34 117304#Roshni Stephens#29#2800
35 272573#Wallace Fletcher#10#3200
36 546482#Aman Crosby#36#380
37 324287#Lili Arnold#35#3200
38 264248#Amanda Pham#22#2600#STUDENT
39 376889#Kelvin Blundell#11#400#FAMILY
40 613812#Danica Pace#9#200
41 585526#John-Paul Clay#54#400#FAMILY
42 973872#Cain Seymour#48#1000
43 672565#Arooj Haas#20#1000#STUDENT
44 900018#Alysia Wolfe#9#200
45 955983#Cinar Johnson#15#2800
46 164928#Sameer McBride#4#100
47 377159#Eva Olsen#14#260
48 650059#Raheem Valencia#9#2400
49 124999#Maiya Haworth#29#280
50 326477#Claudia Armstrong#12#1600
51 889027#Mikel Flinn#29#200#STUDENT
52 939201#Thea Worthington#23#800
53 215116#Jules Beattie#28#180
54 604891#Macaully Rutledge#43#1400
55 943707#Falak Lim#8#200
56 771294#Breanna Donnelly#26#800
57 517713#Marcel Paine#5#100
58 387036#Irene Freeman#14#240
59 939219#Jovan Squires#24#100
60 187612#Gravin Clawley#50#9999999
61 326490#Jarvis Tanner#21#200#STUDENT
62 775764#Jarrad Franco#25#1400
63 518370#Charis Jaramillo#38#3200
64 594401#Katya Vickers#11#200
65 364525#Holly Blaese#4#0
66 174450#Ottillie Riley#12#200
67 985083#Jorge Oaster#23#1800#STUDENT
68 144374#Edwin Shea#7#100#FAMILY
69 639231#Gordon Lindsey#36#800
70 700797#Eduardo Henry#41#100
71 252795#Hafsah Millar#14#380
72 335743#Zubair Randall#48#1800
73 465789#Luna Miranda#14#160
74 543603#Moses Rivers#23#1000
75 555765#Maaria Crossley#31#4000
76 738164#Aoife Crouch#5#1000
77
78
79 324287#Lili Arnold#35#3200
80 400.0
81 324287#Lili Arnold#35#2800.0
82
83 980610#Aurora Mcleod#11#2600
```

File - Main

84 350.0
85 980610#Aurora Mcleod#11#2250.0
86
87 486813#Adrianna Needham#19#1800#STUDENT
88 315.0
89 486813#Adrianna Needham#19#1485.0#STUDENT
90
91 131883#Rafael Blackburn#11#1000#FAMILY
92 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 131883
93
94 386352#Jarod Bautista#4#1000#FAMILY
95 297.5
96 386352#Jarod Bautista#4#702.5#FAMILY
97
98 546482#Aman Crosby#36#380
99 350.0
100 546482#Aman Crosby#36#30.0
101
102 343172#Nour Buxton#44#1200
103 400.0
104 343172#Nour Buxton#44#800.0
105
106 261265#Kiri Kramer#19#3400#STUDENT
107 315.0
108 261265#Kiri Kramer#19#3085.0#STUDENT
109
110 Before: 377159#Eva Olsen#14#260
111 500+
112 After: 377159#Eva Olsen#14#760.0
113
114 851886#Rhodri Santana#7#500
115 200.0
116 851886#Rhodri Santana#7#300.0
117
118 131883#Rafael Blackburn#11#1000#FAMILY
119 297.5
120 131883#Rafael Blackburn#11#702.5#FAMILY
121
122 377159#Eva Olsen#14#760.0
123 400.0
124 377159#Eva Olsen#14#360.0
125
126 493478#Kaya Sellers#36#1000#FAMILY
127 212.5
128 493478#Kaya Sellers#36#787.5#FAMILY
129
130 546482#Aman Crosby#36#30.0
131 com.Greedy.InsufficientBalanceException: Not enough funds (370.0p) difference -> 546482
132
133 555765#Maaria Crossley#31#4000
134 600.0
135 555765#Maaria Crossley#31#3400.0
136
137 613812#Danica Pace#9#200
138 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 613812
139
140 261265#Kiri Kramer#19#3085.0#STUDENT
141 315.0
142 261265#Kiri Kramer#19#2770.0#STUDENT
143
144 576012#Kelise Charles#8#2800
145 350.0
146 576012#Kelise Charles#8#2450.0
147
148 546482#Aman Crosby#36#30.0
149 com.Greedy.InsufficientBalanceException: Not enough funds (320.0p) difference -> 546482
150
151 585526#John-Paul Clay#54#400#FAMILY
152 297.5
153 585526#John-Paul Clay#54#102.5#FAMILY
154
155 NEW CUSTOMER: 996849#Dwig Schruter#32#1000#FAMILY
156
157 144374#Edwin Shea#7#100#FAMILY
158 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 144374
159
160 482358#Theon Frost#4#3500
161 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 482358
162
163 748166#Lucille Swan#29#800#STUDENT
164 315.0
165 748166#Lucille Swan#29#485.0#STUDENT
166
167 900018#Alysia Wolfe#9#200
168 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 900018
169

File - Main

170 252795#Hafsah Millar#14#380
171 100.0
172 252795#Hafsah Millar#14#280.0
173
174 NEW CUSTOMER: 999889#Toby Flenders#47#50
175
176 272573#Wallace Fletcher#10#3200
177 200.0
178 272573#Wallace Fletcher#10#3000.0
179
180 738164#Aoife Crouch#5#1000
181 250.0
182 738164#Aoife Crouch#5#750.0
183
184 131883#Rafael Blackburn#11#702.5#FAMILY
185 170.0
186 131883#Rafael Blackburn#11#532.5#FAMILY
187
188 376889#Kelvin Blundell#11#400#FAMILY
189 212.5
190 376889#Kelvin Blundell#11#187.5#FAMILY
191
192 196225#Savanna Sosa#23#2000
193 250.0
194 196225#Savanna Sosa#23#1750.0
195
196 939201#Thea Worthington#23#800
197 400.0
198 939201#Thea Worthington#23#400.0
199
200 576012#Kelise Charles#8#2450.0
201 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 576012
202
203 169253#Tamera Gallagher#12#400
204 250.0
205 169253#Tamera Gallagher#12#150.0
206
207 740737#Saarah Cole#20#3600#STUDENT
208 225.0
209 740737#Saarah Cole#20#3375.0#STUDENT
210
211 203685#Lois Romero#12#360
212 50.0
213 203685#Lois Romero#12#310.0
214
215 196225#Savanna Sosa#23#1750.0
216 400.0
217 196225#Savanna Sosa#23#1350.0
218
219 672565#Arooj Haas#20#1000#STUDENT
220 90.0
221 672565#Arooj Haas#20#910.0#STUDENT
222
223 NEW CUSTOMER: 296849#Pam Breagley#26#1000#STUDENT
224
225 215116#Jules Beattie#28#180
226 com.Greedy.InsufficientBalanceException: Not enough funds (170.0p) difference -> 215116
227
228 973872#Cain Seymour#48#1000
229 250.0
230 973872#Cain Seymour#48#750.0
231
232 124999#Maiya Haworth#29#280
233 com.Greedy.InsufficientBalanceException: Not enough funds (120.0p) difference -> 124999
234
235 518370#Charis Jaramillo#38#3200
236 250.0
237 518370#Charis Jaramillo#38#2950.0
238
239 585865#Sheldon Kidd#14#2800
240 50.0
241 585865#Sheldon Kidd#14#2750.0
242
243 613812#Danica Pace#9#200
244 150.0
245 613812#Danica Pace#9#50.0
246
247 594401#Katya Vickers#11#200
248 com.Greedy.InsufficientBalanceException: Not enough funds (300.0p) difference -> 594401
249
250 650059#Raheem Valencia#9#2400
251 20.0
252 650059#Raheem Valencia#9#2380.0
253
254 517713#Marcel Paine#5#100
255 100.0

File - Main

256 517713#Marcel Paine#5#0.0
257
258 977723#Mali Burn#45#1400
259 30.0
260 977723#Mali Burn#45#1370.0
261
262 Before: 594401#Katya Vickers#11#200
263 500+
264 After: 594401#Katya Vickers#11#700.0
265
266 939201#Thea Worthington#23#400.0
267 100.0
268 939201#Thea Worthington#23#300.0
269
270 131883#Rafael Blackburn#11#532.5#FAMILY
271 17.0
272 131883#Rafael Blackburn#11#515.5#FAMILY
273
274 376889#Kelvin Blundell#11#187.5#FAMILY
275 170.0
276 376889#Kelvin Blundell#11#17.5#FAMILY
277
278 594401#Katya Vickers#11#700.0
279 100.0
280 594401#Katya Vickers#11#600.0
281
282 264474#Rowena Kaiser#46#1600
283 100.0
284 264474#Rowena Kaiser#46#1500.0
285
286 943707#Falak Lim#8#200
287 com.Greedy.InsufficientBalanceException: Not enough funds (150.0p) difference -> 943707
288
289 613812#Danica Pace#9#50.0
290 50.0
291 613812#Danica Pace#9#0.0
292
293 174450#Ottillie Riley#12#200
294 com.Greedy.InsufficientBalanceException: Not enough funds (300.0p) difference -> 174450
295
296 Before: 174450#Ottillie Riley#12#200
297 1750+
298 After: 174450#Ottillie Riley#12#1950.0
299
300 174450#Ottillie Riley#12#1950.0
301 500.0
302 174450#Ottillie Riley#12#1450.0
303
304 771294#Breanna Donnelly#26#800
305 50.0
306 771294#Breanna Donnelly#26#750.0
307
308 169253#Tamera Gallagher#12#150.0
309 50.0
310 169253#Tamera Gallagher#12#100.0
311
312 296849#Pam Breagley#26#1000#STUDENT
313 90.0
314 296849#Pam Breagley#26#910.0#STUDENT
315
316 900018#Alysia Wolfe#9#200
317 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 900018
318
319 187612#Gravin Clawley#50#9999999
320 400.0
321 187612#Gravin Clawley#50#9999599.0
322
323 775764#Jarrad Franco#25#1400
324 150.0
325 775764#Jarrad Franco#25#1250.0
326
327 Before: 131883#Rafael Blackburn#11#515.5#FAMILY
328 100+
329 After: 131883#Rafael Blackburn#11#615.5#FAMILY
330
331 901420#Paige Barclay#21#140#STUDENT
332 90.0
333 901420#Paige Barclay#21#50.0#STUDENT
334
335 522136#Khloe Stokes#36#1000
336 175.0
337 522136#Khloe Stokes#36#825.0
338
339 748166#Lucille Swan#29#485.0#STUDENT
340 45.0
341 748166#Lucille Swan#29#440.0#STUDENT

File - Main

342
343 676356#Davina Lennon#13#3400
344 20.0
345 676356#Davina Lennon#13#3380.0
346
347 851886#Rhodri Santana#7#300.0
348 50.0
349 851886#Rhodri Santana#7#250.0
350
351 585865#Sheldon Kidd#14#2750.0
352 500.0
353 585865#Sheldon Kidd#14#2250.0
354
355 555765#Maaria Crossley#31#3400.0
356 25.0
357 555765#Maaria Crossley#31#3375.0
358
359 NEW CUSTOMER: 779889#Stanley Rudson#55#1200
360
361 117304#Roshni Stephens#29#2800
362 350.0
363 117304#Roshni Stephens#29#2450.0
364
365 264248#Amanda Pham#22#2600#STUDENT
366 45.0
367 264248#Amanda Pham#22#2555.0#STUDENT
368
369 506655#Jo Riggs#18#400#STUDENT
370 315.0
371 506655#Jo Riggs#18#85.0#STUDENT
372
373 738164#Aoife Crouch#5#750.0
374 50.0
375 738164#Aoife Crouch#5#700.0
376
377 585865#Sheldon Kidd#14#2250.0
378 25.0
379 585865#Sheldon Kidd#14#2225.0
380
381 326477#Claudia Armstrong#12#1600
382 350.0
383 326477#Claudia Armstrong#12#1250.0
384
385 364525#Holly Blaese#4#0
386 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 364525
387
388 427446#Eli Bowler#14#2800
389 175.0
390 427446#Eli Bowler#14#2625.0
391
392 779889#Stanley Rudson#55#1200
393 25.0
394 779889#Stanley Rudson#55#1175.0
395
396 482358#Theon Frost#4#3500
397 25.0
398 482358#Theon Frost#4#3475.0
399
400 676356#Davina Lennon#13#3380.0
401 100.0
402 676356#Davina Lennon#13#3280.0
403
404 NEW CUSTOMER: 999849#Michael Scorn#42#100#FAMILY
405
406 999849#Michael Scorn#42#100#FAMILY
407 com.Greedy.InsufficientBalanceException: Not enough funds (240.0p) difference -> 999849
408
409 Before: 999849#Michael Scorn#42#100#FAMILY
410 100+
411 After: 999849#Michael Scorn#42#200.0#FAMILY
412
413 Before: 546482#Aman Crosby#36#30.0
414 1000+
415 After: 546482#Aman Crosby#36#1030.0
416
417 999849#Michael Scorn#42#200.0#FAMILY
418 com.Greedy.InsufficientBalanceException: Not enough funds (140.0p) difference -> 999849
419
420 672565#Arooj Haas#20#910.0#STUDENT
421 405.0
422 672565#Arooj Haas#20#505.0#STUDENT
423
424 889027#Mikel Flinn#29#200#STUDENT
425 90.0
426 889027#Mikel Flinn#29#110.0#STUDENT
427

File - Main

```
428 264248#Amanda Pham#22#2555.0#STUDENT
429 18.0
430 264248#Amanda Pham#22#2537.0#STUDENT
431
432 486813#Adrianna Needham#19#1485.0#STUDENT
433 360.0
434 486813#Adrianna Needham#19#1125.0#STUDENT
435
436 748166#Lucille Swan#29#440.0#STUDENT
437 45.0
438 748166#Lucille Swan#29#395.0#STUDENT
439
440 740737#Saarah Cole#20#3375.0#STUDENT
441 45.0
442 740737#Saarah Cole#20#3330.0#STUDENT
443
444 486813#Adrianna Needham#19#1125.0#STUDENT
445 157.5
446 486813#Adrianna Needham#19#967.5#STUDENT
447
448 889027#Mikel Flinn#29#110.0#STUDENT
449 27.0
450 889027#Mikel Flinn#29#83.0#STUDENT
451
452 131883#Rafael Blackburn#11#615.5#FAMILY
453 25.5
454 131883#Rafael Blackburn#11#590.0#FAMILY
455
456 977723#Mali Burn#45#1370.0
457 50.0
458 977723#Mali Burn#45#1320.0
459
460 330114#Amelie Hughes#6#50
461 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 330114
462
463 585865#Sheldon Kidd#14#2225.0
464 100.0
465 585865#Sheldon Kidd#14#2125.0
466
467 164928#Sameer McBride#4#100
468 com.Greedy.InsufficientBalanceException: Not enough funds (50.0p) difference -> 164928
469
470 Before: 164928#Sameer McBride#4#100
471 1500+
472 After: 164928#Sameer McBride#4#1600.0
473
474 164928#Sameer McBride#4#1600.0
475 150.0
476 164928#Sameer McBride#4#1450.0
477
478 387036#Irene Freeman#14#240
479 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 387036
480
481 546482#Aman Crosby#36#1030.0
482 100.0
483 546482#Aman Crosby#36#930.0
484
485 335743#Zubair Randall#48#1800
486 50.0
487 335743#Zubair Randall#48#1750.0
488
489 851886#Rhodri Santana#7#250.0
490 com.Greedy.InsufficientBalanceException: Not enough funds (100.0p) difference -> 851886
491
492 650059#Raheem Valencia#9#2380.0
493 350.0
494 650059#Raheem Valencia#9#2030.0
495
496 482358#Theon Frost#4#3475.0
497 100.0
498 482358#Theon Frost#4#3375.0
499
500 955983#Cinar Johnson#15#2800
501 com.Greedy.AgeRestrictionException: Sorry, you are not old enough to use this attraction. -> 955983
502
503 144374#Edwin Shea#7#100#FAMILY
504 17.0
505 144374#Edwin Shea#7#83.0#FAMILY
506
507 335743#Zubair Randall#48#1750.0
508 175.0
509 335743#Zubair Randall#48#1575.0
510
511 748166#Lucille Swan#29#395.0#STUDENT
512 135.0
513 748166#Lucille Swan#29#260.0#STUDENT
```

File - Main

```
514
515 985083#Jorge Oaster#23#1800#STUDENT
516 135.0
517 985083#Jorge Oaster#23#1665.0#STUDENT
518
519
520
521 Average gentle attraction capacity (approx): 18
522 The median roller coaster speed: 34.5
523 The total transport distance of all transport attractions: 5050
524
525 Family Discount      Student Discount      Park Employees
526 15% deduction        10% deduction        15% deduction
527 Total profit: 15539.5
528
529
530 Process finished with exit code 0
531
```