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1 "C:\Users\issam\Documents\WGU\C950\Routing Program\venv\
  Scripts\python.exe" "C:/Users/issam/Documents/WGU/C950/
  Routing Program/Main.py"
2 C950 - Performance Assessment
3 Issam Ahmed          000846138
4
5 -----
6 WGUPS Delivery Tracking System
7 -----
8 Truck 1 traveled distance: 34 miles
9 Truck 2 traveled distance: 42 miles
10 Truck 3 traveled distance: 39 miles
11 Total traveled distance: 115 miles
12 -----
13             Menu
14 -----
15 1) Print all package by time
16 2) Print a package details by time
17 3) Print a package details by EOD
18 4) End of day delivery report
19 5) Exit
20 Choose by number: asd
21 Wrong input
22 -----
23             Menu
24 -----
25 1) Print all package by time
26 2) Print a package details by time
27 3) Print a package details by EOD
28 4) End of day delivery report
29 5) Exit
30 Choose by number: 6
31 Wrong input
32 -----
33             Menu
34 -----
35 1) Print all package by time
36 2) Print a package details by time
37 3) Print a package details by EOD
38 4) End of day delivery report
39 5) Exit
40 Choose by number: 1
41 Enter Time between 00:00 and 23:59 in HH:MM format:
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41 213asdsasd
42 Incorrect time format
43 -----
44             Menu
45 -----
46 1) Print all package by time
47 2) Print a package details by time
48 3) Print a package details by EOD
49 4) End of day delivery report
50 5) Exit
51 Choose by number: 1
52 Enter Time between 00:00 and 23:59 in HH:MM format: 7:55
53 |Package ID: 1 | Street: 195 W Oakland Ave | City: Salt Lake
    City | ZIP: 84115 | Deadline: 10:30 AM | Weight: 21 |
    Delivery Status: AT HUB
54 |Package ID: 2 | Street: 2530 S 500 E | City: Salt Lake City
    | ZIP: 84106 | Deadline: EOD | Weight: 44 | Delivery Status
    : AT HUB
55 |Package ID: 3 | Street: 233 Canyon Rd | City: Salt Lake City
    | ZIP: 84103 | Deadline: EOD | Weight: 2 | Delivery Status:
    AT HUB
56 |Package ID: 4 | Street: 380 W 2880 S | City: Salt Lake City
    | ZIP: 84115 | Deadline: EOD | Weight: 4 | Delivery Status:
    AT HUB
57 |Package ID: 5 | Street: 410 S State St | City: Salt Lake
    City | ZIP: 84111 | Deadline: EOD | Weight: 5 | Delivery
    Status: AT HUB
58 |Package ID: 6 | Street: 3060 Lester St | City: West Valley
    City | ZIP: 84119 | Deadline: 10:30 AM | Weight: 88 |
    Delivery Status: AT HUB
59 |Package ID: 7 | Street: 1330 2100 S | City: Salt Lake City
    | ZIP: 84106 | Deadline: EOD | Weight: 8 | Delivery Status:
    AT HUB
60 |Package ID: 8 | Street: 300 State St | City: Salt Lake City
    | ZIP: 84103 | Deadline: EOD | Weight: 9 | Delivery Status:
    AT HUB
61 |Package ID: 9 | Street: 410 S State St | City: Salt Lake
    City | ZIP: 84111 | Deadline: EOD | Weight: 2 | Delivery
    Status: AT HUB
62 |Package ID: 10 | Street: 600 E 900 South | City: Salt Lake
    City | ZIP: 84105 | Deadline: EOD | Weight: 1 | Delivery
    Status: AT HUB
63 |Package ID: 11 | Street: 2600 Taylorsville Blvd | City: Salt
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63 Lake City | ZIP: 84118 | Deadline: EOD | Weight: 1 |  
Delivery Status: AT HUB

64 |Package ID: 12 | Street: 3575 W Valley Central Station bus  
Loop | City: West Valley City | ZIP: 84119 | Deadline: EOD  
| Weight: 1 | Delivery Status: AT HUB

65 |Package ID: 13 | Street: 2010 W 500 S | City: Salt Lake  
City | ZIP: 84104 | Deadline: 10:30 AM | Weight: 2 |  
Delivery Status: AT HUB

66 |Package ID: 14 | Street: 4300 S 1300 E | City: Millcreek |  
ZIP: 84117 | Deadline: 10:30 AM | Weight: 88 | Delivery  
Status: AT HUB

67 |Package ID: 15 | Street: 4580 S 2300 E | City: Holladay |  
ZIP: 84117 | Deadline: 9:00 AM | Weight: 4 | Delivery Status  
: AT HUB

68 |Package ID: 16 | Street: 4580 S 2300 E | City: Holladay |  
ZIP: 84117 | Deadline: 10:30 AM | Weight: 88 | Delivery  
Status: AT HUB

69 |Package ID: 17 | Street: 3148 S 1100 W | City: Salt Lake  
City | ZIP: 84119 | Deadline: EOD | Weight: 2 | Delivery  
Status: AT HUB

70 |Package ID: 18 | Street: 1488 4800 S | City: Salt Lake City  
| ZIP: 84123 | Deadline: EOD | Weight: 6 | Delivery Status  
: AT HUB

71 |Package ID: 19 | Street: 177 W Price Ave | City: Salt Lake  
City | ZIP: 84115 | Deadline: EOD | Weight: 37 | Delivery  
Status: AT HUB

72 |Package ID: 20 | Street: 3595 Main St | City: Salt Lake  
City | ZIP: 84115 | Deadline: 10:30 AM | Weight: 37 |  
Delivery Status: AT HUB

73 |Package ID: 21 | Street: 3595 Main St | City: Salt Lake  
City | ZIP: 84115 | Deadline: EOD | Weight: 3 | Delivery  
Status: AT HUB

74 |Package ID: 22 | Street: 6351 South 900 East | City: Murray  
| ZIP: 84121 | Deadline: EOD | Weight: 2 | Delivery Status  
: AT HUB

75 |Package ID: 23 | Street: 5100 South 2700 West | City: Salt  
Lake City | ZIP: 84118 | Deadline: EOD | Weight: 5 |  
Delivery Status: AT HUB

76 |Package ID: 24 | Street: 5025 State St | City: Murray | ZIP  
: 84107 | Deadline: EOD | Weight: 7 | Delivery Status: AT  
HUB

77 |Package ID: 25 | Street: 5383 South 900 East #104 | City:  
Salt Lake City | ZIP: 84117 | Deadline: 10:30 AM | Weight: 7

77 | Delivery Status: AT HUB  
78 | Package ID: 26 | Street: 5383 South 900 East #104 | City: Salt Lake City | ZIP: 84117 | Deadline: EOD | Weight: 25 | Delivery Status: AT HUB  
79 | Package ID: 27 | Street: 1060 Dalton Ave S | City: Salt Lake City | ZIP: 84104 | Deadline: EOD | Weight: 5 | Delivery Status: AT HUB  
80 | Package ID: 28 | Street: 2835 Main St | City: Salt Lake City | ZIP: 84115 | Deadline: EOD | Weight: 7 | Delivery Status: AT HUB  
81 | Package ID: 29 | Street: 1330 2100 S | City: Salt Lake City | ZIP: 84106 | Deadline: 10:30 AM | Weight: 2 | Delivery Status: AT HUB  
82 | Package ID: 30 | Street: 300 State St | City: Salt Lake City | ZIP: 84103 | Deadline: 10:30 AM | Weight: 1 | Delivery Status: AT HUB  
83 | Package ID: 31 | Street: 3365 S 900 W | City: Salt Lake City | ZIP: 84119 | Deadline: 10:30 AM | Weight: 1 | Delivery Status: AT HUB  
84 | Package ID: 32 | Street: 3365 S 900 W | City: Salt Lake City | ZIP: 84119 | Deadline: EOD | Weight: 1 | Delivery Status: AT HUB  
85 | Package ID: 33 | Street: 2530 S 500 E | City: Salt Lake City | ZIP: 84106 | Deadline: EOD | Weight: 1 | Delivery Status: AT HUB  
86 | Package ID: 34 | Street: 4580 S 2300 E | City: Holladay | ZIP: 84117 | Deadline: 10:30 AM | Weight: 2 | Delivery Status: AT HUB  
87 | Package ID: 35 | Street: 1060 Dalton Ave S | City: Salt Lake City | ZIP: 84104 | Deadline: EOD | Weight: 88 | Delivery Status: AT HUB  
88 | Package ID: 36 | Street: 2300 Parkway Blvd | City: West Valley City | ZIP: 84119 | Deadline: EOD | Weight: 88 | Delivery Status: AT HUB  
89 | Package ID: 37 | Street: 410 S State St | City: Salt Lake City | ZIP: 84111 | Deadline: 10:30 AM | Weight: 2 | Delivery Status: AT HUB  
90 | Package ID: 38 | Street: 410 S State St | City: Salt Lake City | ZIP: 84111 | Deadline: EOD | Weight: 9 | Delivery Status: AT HUB  
91 | Package ID: 39 | Street: 2010 W 500 S | City: Salt Lake City | ZIP: 84104 | Deadline: EOD | Weight: 9 | Delivery Status: AT HUB

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92 |Package ID: 40 | Street: 380 W 2880 S | City: Salt Lake
    City | ZIP: 84115 | Deadline: 10:30 AM | Weight: 45 |
    Delivery Status: AT HUB
93 -----
94             Menu
95 -----
96 1) Print all package by time
97 2) Print a package details by time
98 3) Print a package details by EOD
99 4) End of day delivery report
100 5) Exit
101 Choose by number: 2
102 Enter Time between 00:00 and 23:59 in HH:MM format: 9:24
103 Enter package ID: 100
104 Incorrect Package ID
105 -----
106             Menu
107 -----
108 1) Print all package by time
109 2) Print a package details by time
110 3) Print a package details by EOD
111 4) End of day delivery report
112 5) Exit
113 Choose by number: 2
114 Enter Time between 00:00 and 23:59 in HH:MM format: 9:24
115 Enter package ID: 10
116 |Package ID: 10 | Street: 600 E 900 South | City: Salt Lake
    City | ZIP: 84105 | Deadline: EOD | Weight: 1 | Delivery
    Status: At Hub
117 -----
118             Menu
119 -----
120 1) Print all package by time
121 2) Print a package details by time
122 3) Print a package details by EOD
123 4) End of day delivery report
124 5) Exit
125 Choose by number: 3
126 Enter package ID: 33
127 |Package ID: 33 | Street: 2530 S 500 E | City: Salt Lake
    City | ZIP: 84106 | Deadline: EOD | Weight: 1 | Delivery
    Status: Delivered at 09:29
128 -----
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```
129             Menu
130 -----
131 1) Print all package by time
132 2) Print a package details by time
133 3) Print a package details by EOD
134 4) End of day delivery report
135 5) Exit
136 Choose by number: 4
137 |Package ID: 1 | Street: 195 W Oakland Ave | City: Salt Lake
    City | ZIP: 84115 | Deadline: 10:30 AM | Weight: 21 |
    Delivery Status: Delivered at 08:41
138 |Package ID: 2 | Street: 2530 S 500 E | City: Salt Lake City
    | ZIP: 84106 | Deadline: EOD | Weight: 44 | Delivery Status
    : Delivered at 09:29
139 |Package ID: 3 | Street: 233 Canyon Rd | City: Salt Lake
    City | ZIP: 84103 | Deadline: EOD | Weight: 2 | Delivery
    Status: Delivered at 10:20
140 |Package ID: 4 | Street: 380 W 2880 S | City: Salt Lake City
    | ZIP: 84115 | Deadline: EOD | Weight: 4 | Delivery Status
    : Delivered at 08:37
141 |Package ID: 5 | Street: 410 S State St | City: Salt Lake
    City | ZIP: 84111 | Deadline: EOD | Weight: 5 | Delivery
    Status: Delivered at 12:09
142 |Package ID: 6 | Street: 3060 Lester St | City: West Valley
    City | ZIP: 84119 | Deadline: 10:30 AM | Weight: 88 |
    Delivery Status: Delivered at 09:46
143 |Package ID: 7 | Street: 1330 2100 S | City: Salt Lake City
    | ZIP: 84106 | Deadline: EOD | Weight: 8 | Delivery Status
    : Delivered at 08:50
144 |Package ID: 8 | Street: 300 State St | City: Salt Lake City
    | ZIP: 84103 | Deadline: EOD | Weight: 9 | Delivery Status
    : Delivered at 10:22
145 |Package ID: 9 | Street: 410 S State St | City: Salt Lake
    City | ZIP: 84111 | Deadline: EOD | Weight: 2 | Delivery
    Status: Delivered at 12:09
146 |Package ID: 10 | Street: 600 E 900 South | City: Salt Lake
    City | ZIP: 84105 | Deadline: EOD | Weight: 1 | Delivery
    Status: Delivered at 12:03
147 |Package ID: 11 | Street: 2600 Taylorsville Blvd | City:
    Salt Lake City | ZIP: 84118 | Deadline: EOD | Weight: 1 |
    Delivery Status: Delivered at 11:03
148 |Package ID: 12 | Street: 3575 W Valley Central Station bus
    Loop | City: West Valley City | ZIP: 84119 | Deadline: EOD
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148 | Weight: 1 | Delivery Status: Delivered at 11:42  
149 | Package ID: 13 | Street: 2010 W 500 S | City: Salt Lake City | ZIP: 84104 | Deadline: 10:30 AM | Weight: 2 | Delivery Status: Delivered at 09:22  
150 | Package ID: 14 | Street: 4300 S 1300 E | City: Millcreek | ZIP: 84117 | Deadline: 10:30 AM | Weight: 88 | Delivery Status: Delivered at 08:07  
151 | Package ID: 15 | Street: 4580 S 2300 E | City: Holladay | ZIP: 84117 | Deadline: 9:00 AM | Weight: 4 | Delivery Status: Delivered at 08:13  
152 | Package ID: 16 | Street: 4580 S 2300 E | City: Holladay | ZIP: 84117 | Deadline: 10:30 AM | Weight: 88 | Delivery Status: Delivered at 08:13  
153 | Package ID: 17 | Street: 3148 S 1100 W | City: Salt Lake City | ZIP: 84119 | Deadline: EOD | Weight: 2 | Delivery Status: Delivered at 09:42  
154 | Package ID: 18 | Street: 1488 4800 S | City: Salt Lake City | ZIP: 84123 | Deadline: EOD | Weight: 6 | Delivery Status: Delivered at 10:59  
155 | Package ID: 19 | Street: 177 W Price Ave | City: Salt Lake City | ZIP: 84115 | Deadline: EOD | Weight: 37 | Delivery Status: Delivered at 08:32  
156 | Package ID: 20 | Street: 3595 Main St | City: Salt Lake City | ZIP: 84115 | Deadline: 10:30 AM | Weight: 37 | Delivery Status: Delivered at 08:30  
157 | Package ID: 21 | Street: 3595 Main St | City: Salt Lake City | ZIP: 84115 | Deadline: EOD | Weight: 3 | Delivery Status: Delivered at 08:30  
158 | Package ID: 22 | Street: 6351 South 900 East | City: Murray | ZIP: 84121 | Deadline: EOD | Weight: 2 | Delivery Status: Delivered at 10:39  
159 | Package ID: 23 | Street: 5100 South 2700 West | City: Salt Lake City | ZIP: 84118 | Deadline: EOD | Weight: 5 | Delivery Status: Delivered at 11:05  
160 | Package ID: 24 | Street: 5025 State St | City: Murray | ZIP: 84107 | Deadline: EOD | Weight: 7 | Delivery Status: Delivered at 10:28  
161 | Package ID: 25 | Street: 5383 South 900 East #104 | City: Salt Lake City | ZIP: 84117 | Deadline: 10:30 AM | Weight: 7 | Delivery Status: Delivered at 09:13  
162 | Package ID: 26 | Street: 5383 South 900 East #104 | City: Salt Lake City | ZIP: 84117 | Deadline: EOD | Weight: 25 | Delivery Status: Delivered at 09:13

163 | Package ID: 27 | Street: 1060 Dalton Ave S | City: Salt Lake City | ZIP: 84104 | Deadline: EOD | Weight: 5 | Delivery Status: Delivered at 10:01

164 | Package ID: 28 | Street: 2835 Main St | City: Salt Lake City | ZIP: 84115 | Deadline: EOD | Weight: 7 | Delivery Status: Delivered at 09:33

165 | Package ID: 29 | Street: 1330 2100 S | City: Salt Lake City | ZIP: 84106 | Deadline: 10:30 AM | Weight: 2 | Delivery Status: Delivered at 08:50

166 | Package ID: 30 | Street: 300 State St | City: Salt Lake City | ZIP: 84103 | Deadline: 10:30 AM | Weight: 1 | Delivery Status: Delivered at 09:08

167 | Package ID: 31 | Street: 3365 S 900 W | City: Salt Lake City | ZIP: 84119 | Deadline: 10:30 AM | Weight: 1 | Delivery Status: Delivered at 09:41

168 | Package ID: 32 | Street: 3365 S 900 W | City: Salt Lake City | ZIP: 84119 | Deadline: EOD | Weight: 1 | Delivery Status: Delivered at 11:23

169 | Package ID: 33 | Street: 2530 S 500 E | City: Salt Lake City | ZIP: 84106 | Deadline: EOD | Weight: 1 | Delivery Status: Delivered at 09:29

170 | Package ID: 34 | Street: 4580 S 2300 E | City: Holladay | ZIP: 84117 | Deadline: 10:30 AM | Weight: 2 | Delivery Status: Delivered at 08:13

171 | Package ID: 35 | Street: 1060 Dalton Ave S | City: Salt Lake City | ZIP: 84104 | Deadline: EOD | Weight: 88 | Delivery Status: Delivered at 10:01

172 | Package ID: 36 | Street: 2300 Parkway Blvd | City: West Valley City | ZIP: 84119 | Deadline: EOD | Weight: 88 | Delivery Status: Delivered at 09:51

173 | Package ID: 37 | Street: 410 S State St | City: Salt Lake City | ZIP: 84111 | Deadline: 10:30 AM | Weight: 2 | Delivery Status: Delivered at 09:05

174 | Package ID: 38 | Street: 410 S State St | City: Salt Lake City | ZIP: 84111 | Deadline: EOD | Weight: 9 | Delivery Status: Delivered at 10:17

175 | Package ID: 39 | Street: 2010 W 500 S | City: Salt Lake City | ZIP: 84104 | Deadline: EOD | Weight: 9 | Delivery Status: Delivered at 10:06

176 | Package ID: 40 | Street: 380 W 2880 S | City: Salt Lake City | ZIP: 84115 | Deadline: 10:30 AM | Weight: 45 | Delivery Status: Delivered at 08:37

177 -----



```
178             Menu
179 -----
180 1) Print all package by time
181 2) Print a package details by time
182 3) Print a package details by EOD
183 4) End of day delivery report
184 5) Exit
185 Choose by number: 5
186 Exiting Program
187
188 Process finished with exit code 0
189
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