



KOLEJ PROFESIONAL MARA BERANANG

FINALE PROJECT SESSION 3 2021/2022

PREPARED FOR:

PUAN SURIANA BINTI SUPAAN

PREPARED BY:

AISYAH AINA SUFIA

MENTOR'S NAME:

PUAN NOOR FAZLIANI BINTI SHAMSHUDIN

Task-To-Do:

1. Provide overview and objective of your application development.
2. Draw a visual map of theme park with locations of activities and distances among all the locations using graph.
3. Produce adjacency matrix and adjacency list that represents locations and distances for a graph in Task 1.
4. Develop an application that fulfill the requirements below:
 - a) Implement linked list to calculate the tickets fee and display the fee for each location and total ticket fee.
 - b) Implement graph that represent locations (vertices) and distances (edges) that map your design in Task 1 and Task 2.
5. Apply good programming practices in terms of:
 - a) Flow of the system (appropriate menu)
 - b) Comments
 - c) Output layout
6. Include print screen of the output and the coding of your application in your report.
7. Present your application which include:
 - a) Content
 - b) Visual aids
 - c) Verbal communication
 - d) Fluency and clarity
 - e) Non-verbal communication
 - f) Understand and respond to questions

0.0) TABLE OF CONTENT

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1.0) OVERVIEW AND OBJECTIVES

1.1) OVERVIEW

In a single day, there are a huge number of customers. In order to respond to this uncontrollable flood of customers and to provide a higher degree of efficiency to meet their needs, an application that supports the ticket purchase process and theme park information was created.

Desa Theme Park Application was made to support the ticket purchasing process and information of the theme park . In this application, It provide a main menu for user to choose their purpose before getting into the theme park . The menu have 4 main user selection to choose which consist of:

- Purchase Tickets
- Check Customer's Name
- Distance Travel
- Exit

The application for '**Purchase Tickets**' will help user to buy their desired tickets easily which their data will save in linked list code data structure . User will not only able to choose their desired tickets, but also able to get to choose many tyes of tickets and quantity per user .

Furthermore , In order to verify the customer already pay for the ticket or not, the function of '**Check Customer's Name**' was made. The application will detect the customer's name through the variable of name list . This function will detect if the customer already paid for the ticket. it will appear notification sign which EXISTED in the name list . Same goes for the customer who wasn't pay yet, the sign will show 'NOT EXISTED' .

On the other hand, the application is able to help user to calculate the "**Distance Travel**" between two location (nodes) by referring to virtual map . If user want to go from one location to another location that need to come across a few locations or have a lot of pathway, the application was already auto-setup a shortest pathway for user to go to their desired location without wasting time . This feature function will show user the total distance it takes from one location to another location that choose by user.

Last but not least, when all task that performed by user is finished , the user is allowed to **exit** from the program . When user exit from the program , the appropriate farewell and a bit quotes to appreciate the user and appear along with barcode to scan whose receipt payment for security issues .

0.1) OBJECTIVES

- **More Saves Time**

One of the biggest objective when user using Desa Theme Park Application like is that all the hard work is automated. User even can be done in less than 10 minutes, once this is completed user can spend their time to other important matters like curating new ideas or planning other events. The application is automatically calculate the total price, total distance, auto-check user's name, easier interface and directly user's data save in database . This reduce the user headaches that come with manual to calculate physically using calculator and flipping through record book one by one, write a lot on a piece of paper for many times, queue in line to wait for turn and etc. it really saves a lot of time. User also can plan already their journey by looking at virtual map and planning on which distance travel they want to go throughout the theme park.

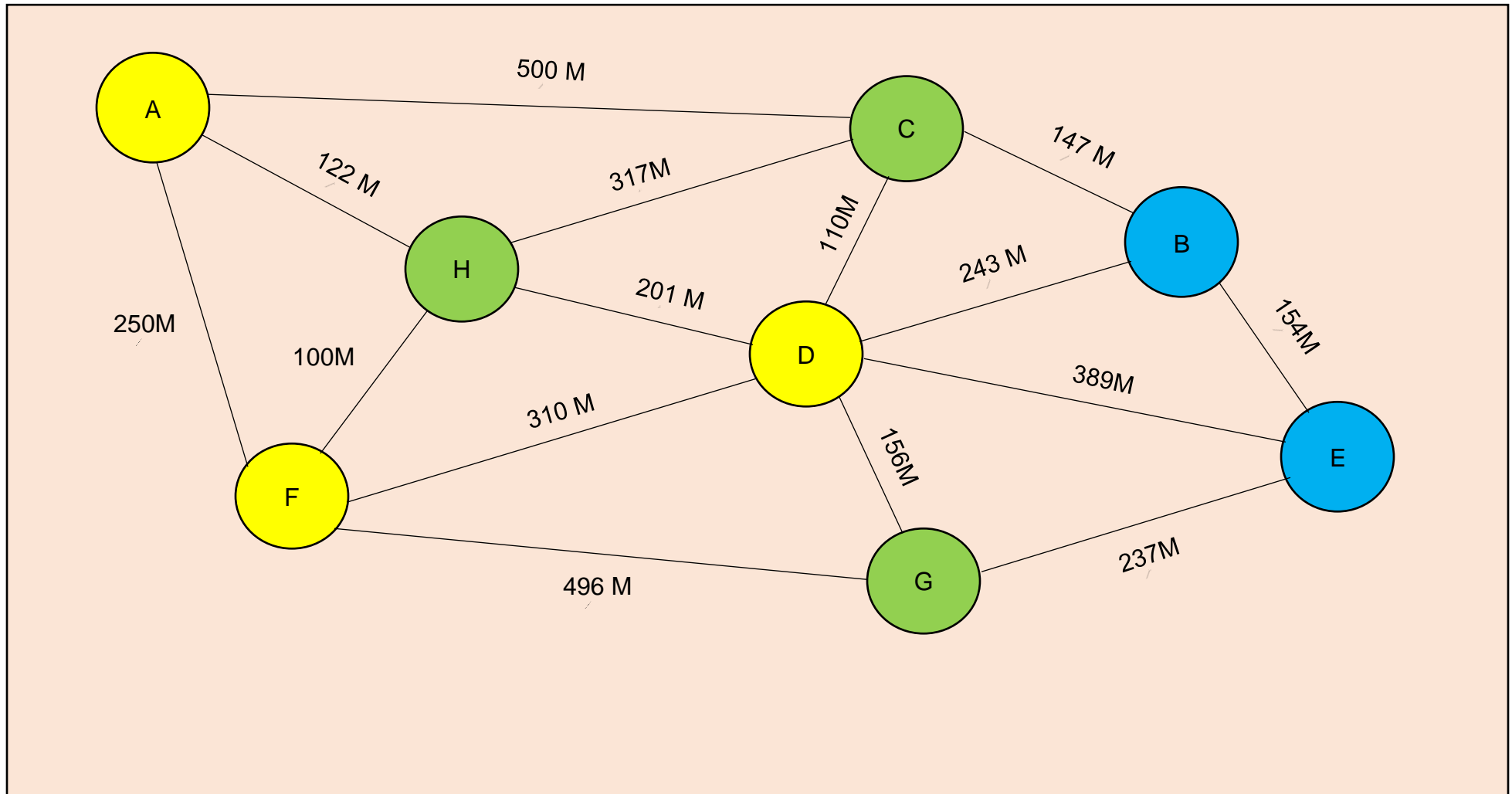
- **Make An Application Become 24/7 Accessible**

Whilst using Desa Theme Park Application, it does give user more time to think and decide when to book for the tickets. Allowing availability at any time of day means user can purchase and book tickets at their convenience, this can help make purchases from those user who don't necessarily live near the event and might not be able to travel in order to purchase a physical copy .

- **More Secured**

Desa Theme Park Application will check user through user payment list digitally. If user use traditional method such as pen and paper , this can be relatively slow if the person on the door has to sift through multiple pages to find the correct name, it can also become frustrating if the people in charge didn't look thoroughly throughout the payment list to check the user's name. , user or people in charge can quickly search for the name of user who actually already paid or not. However, there is no way to ensure that the ticket is legitimate. The final method that we recommend you use is bar code scanning. Tickets from Desa Theme Park Application come with their unique barcode after user exit from the program This will verify user who are paid and not pay yet through scanning technology . This requires the tickets code to be scanned and making it near impossible to duplicate the tickets due to unique barcode. So it will make the application more secure.

2.0) VIRTUAL MAP



NO.	NAME	LOCATION (NODE)
1.	iMagination 3D Theatre	A
2.	DESA Wave Pool	B
3.	Dragon Coaster Ride	C
4.	Zombie House ESCAPE!	D
5.	Splash 'N' Swirl Safari	E
6.	VR: Shoot The ENEMY!	F
7.	MINI Zoo Tour	G
8.	Lost Kingdom Ride	H

3.0) ADJENCY MATRIX AND ADJENCY LIST









3.1) ADJENCY MATRIX

Adjency Matrices is very helpful when user need to quickly check if the map used to associate between the graph nodes have a direct edge or not . Because, Adjacency Matrices allow users to quickly answer queries about whether a certain edge between two vertices belongs in the graph or as well as perform edge insertions and removals.

	A	B	C	D	E	F	G	H
A			500			250		122
B			147	243	154			
C	500	147		110				317
D		243	110		389	310	156	201
E		154		389			237	
F	250			310			496	100
G				156	237	496		
H	122		317	201		100		

3.2) ADJENCY LIST

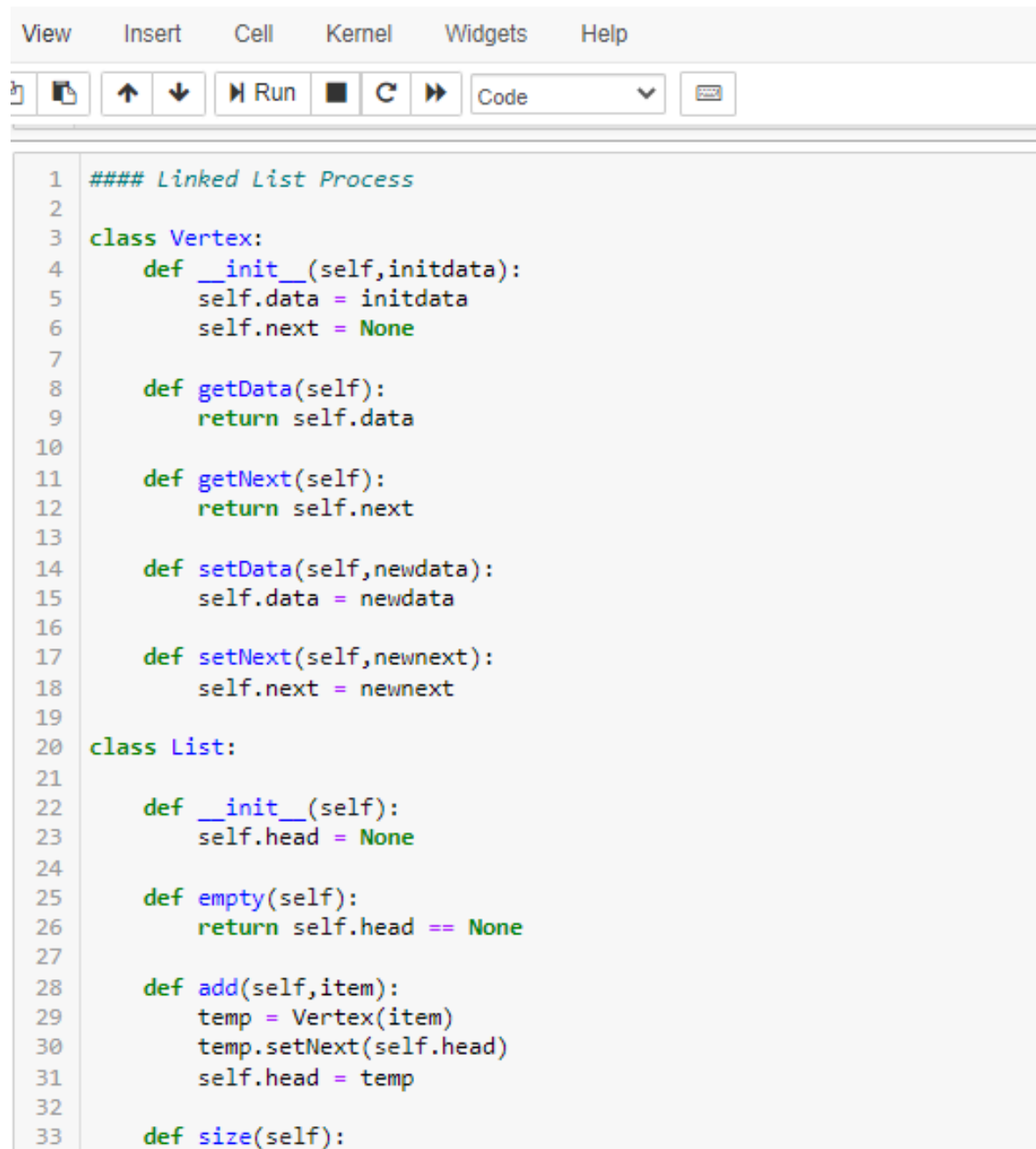
It enables us to portray a sparse graph in a concise manner. We can also use the adjacency list to quickly locate all of the connections that are typically linked to that particular vertex.

Vertex List		Vertex Objects
A		id = "A" Adj = {C:500, F:250 , H:122}
B		id = "B" Adj = {C:147, D:243 , E:154}
C		id = "C" Adj = {A:500, B:147 , D:110 , H: 317}
D		id = "D" Adj = {B:243 , C:110 , E:389 , F:310 , G:156 , H:201}
E		id = "E" Adj = {B:154 , D:389 , G:237}
F		id = "F" Adj = {A:250, D:310 , G:496 , H:100}
G		id = "G" Adj = {D:156 , E:237 , F:496}
H		id = "H" Adj = {A:122, C:317 , D:201 , F:100}

6.0) PRINT SCREEN OF OUTPUT AND CODING OF DEVELOP APPLICATION

6.1) The Print Screen of Coding

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The screenshot shows a Jupyter Notebook interface with a menu bar (View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, navigation, and execution. The code area contains the following Python code:

```
1  ##### Linked List Process
2
3  class Vertex:
4      def __init__(self, initdata):
5          self.data = initdata
6          self.next = None
7
8      def getData(self):
9          return self.data
10
11     def getNext(self):
12         return self.next
13
14     def setData(self, newdata):
15         self.data = newdata
16
17     def setNext(self, newnext):
18         self.next = newnext
19
20 class List:
21
22     def __init__(self):
23         self.head = None
24
25     def empty(self):
26         return self.head == None
27
28     def add(self, item):
29         temp = Vertex(item)
30         temp.setNext(self.head)
31         self.head = temp
32
33     def size(self):
```

```
View    Insert    Cell    Kernel    Widgets    Help

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31         self.head = temp
32
33     def size(self):
34         current = self.head
35         count = 0
36
37         while current != None:
38             count = count + 1
39             current = current.getNext()
40
41         return count
42
43     def search(self,item):
44         current = self.head
45         found = False
46
47         while current != None and not found:
48             if current.getData() == item:
49                 found = True
50             else:
51                 current = current.getNext()
52
53         return found
54
55     def remove(self,item):
56         current = self.head
57         previous = None
58         found = False
59
60         while not found:
61             if current.getData() == item:
62                 found = True
63             else:
64                 previous = current
```

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```
View    Insert    Cell    Kernel    Widgets    Help
[Icons] [Run] [Code]
64         previous = current
65         current = current.getNext()
66
67     if previous == None:
68         self.head = current.getNext()
69     else:
70         previous.setNext(current.getNext())
71
72     def print(self):
73         current = self.head
74
75         while current != None:
76             print(current.getData())
77             current = current.getNext()
78
79     ##### Graph Process Code
80
81     def add_location(L):
82         global location_count
83         location_count = location_count + 1
84         location.append(L)
85         for x in graph:
86             x.append(0)
87
88         temp = []
89         for y in range(location_count):
90             temp.append(0)
91         graph.append(temp)
92
93     def add_distance(L1,L2,distance):
94         index1 = location.index(L1)
95         index2 = location.index(L2)
96         graph[index1][index2] = distance
97         graph[index2][index1] = distance
```

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```
View    Insert    Cell    Kernel    Widgets    Help

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96         graph[index1][index2] = distance
97         graph[index2][index1] = distance
98
99     def print_graph():
100         for i in range (location_count):
101             for j in range(location_count):
102                 print(format(graph[i][j], "<3"), end = " ")
103             print()
104
105     def find_total_distance(L1,L2):
106         return int(graph[L1][L2])
107
108     def find_distance(D):
109         pos = 0
110
111         while pos < len(location):
112             if location[pos] == D:
113                 index = pos
114                 pos = pos + 1
115
116         return index
117
118     # declare to start the program
119     print("Type 'start' to begin")
120     answer = input(":")
121     print()
122
123     #looping for menu
124     menu = 'y'
125
126     # Declare Linked List
127     namelist = List()
128     totalprice_list = List()
129
```

```
View    Insert    Cell    Kernel    Widgets    Help
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129
130
131 # Main Program (Looping)
132 if answer == 'start':
133     while menu == 'y':
134
135         # appropriate greetings
136         # Main Menu
137         print("*****")
138         print("◌☆.◌.◌.*◌◌◌☆.◌.◌\033[1m WELCOME TO DESA THEME PARK◌◌☆.◌.◌.*◌◌◌☆.◌.◌* ")
139         print("*****")
140         print()
141         print("HELLO WHAT CAN WE HELP YOU TODAY?")
142         print()
143         print("\u2764\u2764\u2764", "MENU", "\u2764\u2764\u2764")
144         print("\n1.) PURCHASE TICKETS \n2.) CHECK CUSTOMER'S NAME \n3.) DISTANCE TRAVEL \n4.) EXIT ")
145         print()
146         print("*****")
147
148         print()
149
150         # From User Input
151         answer = input("Your Options From Menu?(number): ")
152         print()
153
154         # User Choose option 1
155         if answer == '1':
156             print("_____")
157             print("◌◌◌◌. TICKETS PURCHASE SECTION◌◌◌◌.")
158             print("_____")
159             print()
160
161             # Collection of Variable
162             other_user = 'y'
```

```

161 # Collection of variable
162 other_user = 'y'
163 while other_user == 'y':
164     game_package = 'y'
165     totalprice = 0
166
167     print()
168
169     # User Input Name
170     name = input("Please Enter Your Name: ")
171
172     # User input name added into the list
173     namelist.add(name)
174
175     print()
176
177     # User Input Age
178     age = int(input("Please Enter Your Age: "))
179     date = input("Date of Booking Your Tickets: ")
180     print()
181
182     #Kids Price Menu
183     if age <= 12:
184         # Looping for kids game options
185         while game_package == 'y':
186             print("Hello",name,"!", " Now Please Choose Your Game Tickets ")
187             print("----- KIDS PACKAGE -----")
188             print()
189             print("      NAME                                PACKAGE                PRICE")
190             print()
191             print("iMagination 3D Theatre                        A                RM3.00/each")
192             print("DESA Wave Pool                                B                RM2.00/each")
193             print("Dragon Coaster Ride                            C                RM5.10/each")
194             print("Zombie House ESCAPE!                          D                RM4.00/each")
195             print("Splash 'N' Swirl Safari                        E                RM2.50/each")

```

```
View Insert Cell Kernel Widgets Help
] [ Run [ Code [
194 print("Zombie House ESCAPE! D RM4.00/each")
195 print("Splash 'N' Swirl Safari E RM2.50/each")
196 print("VR: Shoot That ENEMY! F RM5.30/each")
197 print("MINI Zoo Tour G RM1.60/each")
198 print("Lost Kingdom Ride H RM3.50/each")
199 print()
200
201 # user Input : Package Selection
202 package = input("Choose Your Package: ")
203 package = package.capitalize()
204 print()
205
206 # Price & total Calculation for each package
207 if package == 'A':
208     qty = int(input("Quantity of Tickets?: "))
209     price = 3 * qty
210     totalprice = totalprice + price
211     print("'iMagination 3D Theatre' Has Added To Cart")
212     print("_____")
213     print("Price Package A: RM",price)
214     print("Total Current Price: RM",totalprice)
215     print("_____")
216     print()
217
218 elif package == 'B':
219     qty = int(input("Quantity of Tickets?: "))
220     price = 2 * qty
221     totalprice = totalprice + price
222     print("'DESA Wave Pool' Has Added To Cart!")
223     print("_____")
224     print("Price Package B: RM",price)
225     print("Total Current Price: RM",totalprice)
226     print("_____")
227     print()
228
```

```
View    Insert    Cell    Kernel    Widgets    Help

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227         print()
228
229     elif package == 'C':
230         qty = int(input("Quantity of Tickets?: "))
231         price = 5.10 * qty
232         totalprice = totalprice + price
233         print("'Dragon Coaster Ride'Has Added To Cart!")
234         print("_____")
235         print("Price Package C: RM",price)
236         print("Total Current Price: RM",totalprice)
237         print("_____")
238         print()
239
240     elif package == 'D':
241         qty = int(input("Quantity of Tickets?: "))
242         price = 4 * qty
243         totalprice = totalprice + price
244         print("'Zombie House ESCAPE!'Has Added To Cart!")
245         print("_____")
246         print("Price of Package D: RM",price)
247         print("Total Current price: RM",totalprice)
248         print("_____")
249         print()
250
251     elif package == 'E':
252         qty = int(input("Quantity of Tickets?: "))
253         price = 2.50 * qty
254         totalprice = totalprice + price
255         print("'Splash 'N' Swirl Safari' Has Added To Cart!")
256         print("_____")
257         print("Price of Package E: RM",price)
258         print("Total Current Price: RM",totalprice)
259         print("_____")
260         print()
```


Insert
Cell
Kernel
Widgets
Help

Run

Code

```

elif package == 'F':
    qty = int(input("Quantity of Tickets?: "))
    price = 5.30 * qty
    totalprice = totalprice + price
    print("'VR:Shoot That ENEMY!'Has Added To Cart!")
    print("_____")
    print("Price of Package F: RM",price)
    print("Total Current Payment: RM",totalprice)
    print("_____")
    print()

elif package == 'G':
    qty = int(input("Quantity of Tickets?: "))
    price = 1.60 * qty
    totalprice = totalprice + 1.60
    print("'MINI Zoo Tour' Has Added To Cart!")
    print("_____")
    print("Price: RM",price)
    print("Total payment: RM",totalprice)
    print("_____")
    print()

elif package == 'H':
    qty = int(input("Quantity of Tickets?: "))
    price = 3.50 * qty
    totalprice = totalprice + price
    print("'Lost Kingdom Ride' Has Added To Cart!")
    print("_____")
    print("Price of package H: RM",price)
    print("Total Current Price: RM",totalprice)
    print("_____")
    print()





```

```

View    Insert    Cell    Kernel    Widgets    Help
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294
295         else:
296             print("Invalid Package! Try again. ")
297             print()
298
299             # Looping For Other Package Selection For Kids
300             print()
301             game_package = input("Add More Another Package?(y/n): ")
302             print()
303
304             # Add Data TotalPrice Into List
305             totalprice_list.add(totalprice)
306
307     else:
308         # Looping for Adult Package
309         while game_package == 'y':
310             print("Hello",name,"!", "Please Choose Your Game Tickets ")
311             print("----- ADULT PACKAGE ----- ")
312             print()
313             print("      NAME                PACKAGE                PRICE")
314             print()
315             print("iMagination 3D Theatre      A                RM5.00/each")
316             print("DESA Wave Pool             B                RM4.75/each")
317             print("Dragon Coaster Ride        C                RM8.10/each")
318             print("Zombie House ESCAPE!       D                RM5.30/each")
319             print("Splash 'N' Swirl Safari    E                RM7.45/each")
320             print("VR: Shoot That ENEMY!      F                RM10.31/each")
321             print("MINI Zoo Tour              G                RM3.65/each")
322             print("Lost Kingdom Ride          H                RM6.50/each")
323             print()
324
325             #user input for adult package
326             package = input("Choose Your Package: ")
327             package = package.capitalize()
328

```

Kernel Widgets Help Trusted

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```

package = package.capitalize()
print()

# Activity calculation
if package == 'A':
    qty = int(input("How Many Tickets?: "))
    price = 5 * qty
    totalprice = totalprice + price
    print("'iMagination 3D Theatre' Has Added To Cart!")
    print("_____")
    print("Price of Package A: RM", price)
    print("Total Current Price: RM",totalprice)
    print("_____")
    print()

elif package == 'B':
    qty = int(input("How Many Tickets?: "))
    price = 4.75 * qty
    totalprice = totalprice + price
    print("'DESA Wave Pool' Has Added To Cart!")
    print("_____")
    print("Price of Package B: RM",price)
    print("Total Current Price: RM",totalprice)
    print("_____")
    print()

elif package == 'C':
    qty = int(input("Quantity of Tickets?: "))
    price = 8.10 * qty
    totalprice = totalprice + price
    print("'Dragon Coaster Ride' Has Added To Cart!")
    print("_____")
    print("Total Price Package C: RM",price)
    print("Total Current Price: RM",totalprice)

```

```
arnel Widgets Help

C ▶ Code

print("Total Price Package C: RM",price)
print("Total Current Price: RM",totalprice)
print("_____")
print()

elif package == 'D':
    qty = int(input("How Many Tickets?: "))
    price = 5.30 * qty
    totalprice = totalprice + price
    print("'Zombie House ESCAPE!' Has Added To Cart! ")
    print("_____")
    print("Total Price Package D: RM",price)
    print("Total Current Price: RM",totalprice)
    print("_____")
    print()

elif package == 'E':
    qty = int(input("How Many Tickets?: "))
    price = 7.45 * qty
    totalprice = totalprice + price
    print("'Splash 'N' Swirl' Has Added To Cart! ")
    print("_____")
    print("Total Price Package E: RM",price)
    print("Total Current Price: RM",totalprice)
    print("_____")
    print()

elif package == 'F':
    qty = int(input("How Many Tickets?: "))
    price = 10.31 * qty
    totalprice = totalprice + price
    print("'VR:Shoot That ENEMY!' Has Added To Cart! ")
    print("_____")
    print("Total Price Package F: RM",price)
```

```

Kernel Widgets Help Trusted
Code
print("Total Price Package F: RM",price)
print("Total Current Price: RM",totalprice)
print("_____")
print()

elif package == 'G':
    qty = int(input("How Many Tickets?: "))
    price = 3.65 * qty
    totalprice = totalprice + price
    print("'MINI Zoo Tour' Has Added To Cart! ")
    print("_____")
    print("Total Price Package G: RM",price)
    print("Total Current Price: RM", totalprice)
    print("_____")
    print()

elif package == 'H':
    qty = int(input("How Many Tickets?: "))
    price = 6.50 * qty
    totalprice = totalprice + price
    print("'Lost Kingdom Ride' Has Added To Cart! ")
    print("_____")
    print("Total Price Package H: RM",price)
    print("Total Current Price: RM",totalprice)
    print("_____")
    print()

else:
    # warning if wrong input
    print("Invalid Package!Please try again.")
    print()

# Looping for other package selection (adult)
print()

```

```

w Insert Cell Kernel Widgets Help
[Icon] [Up] [Down] [Run] [Stop] [Refresh] [Next] Code [Icon]

# Looping for other package selection (add)
print()
game_package = input("Add More Another Package?(y/n): ")
print()

# Adding data into list
totalprice_list.add(totalprice)

# Pass to other user selection
print()
other_user = input(" Next Person?(y/n): ")
print()

# Printing list for customer's name
print("_____")
print("LIST OF CUSTOMER'S NAME")
print("_____")
namelist.print()

print()

#printing list for total payment
print("_____")
print("TOTAL PAYMENT IN LIST")
print("_____")
totalprice_list.print()

print()

#size of list customer
print("Total Customer: ", namelist.size())
print()

print()

```

```
View    Insert    Cell    Kernel    Widgets    Help
Run
Code
457     print()
458
459     menu = input("Go Back To Main Menu?(y/n): ")
460     print()
461
462
463     elif answer == '2':
464
465         print("_____")
466         print("• • • CUSTOMER'S NAME CHECKING IN TICKET PAYMENT LIST • • •")
467         print("_____")
468
469         respond = input(" Search For Customer Name?(y/n): ")
470         while respond != 'n':
471             print()
472             name = input("Enter The Search Name: ")
473             found = namelist.search(name)
474             if found:
475                 print(name, " Is EXISTED In Ticket Payment List\n")
476             else:
477                 print(name, " Is NOT EXISTED in Ticket Payment List\n")
478                 print()
479
480             respond = input("Continue To Search Customer Name?(y/n): ")
481
482         menu = input("Go Back To Main Menu?(y/n): ")
483         print()
484
485
486     #option option 3
487     elif answer == '3':
488         print("_____")
489         print("• • • DISTANCE TRAVELED SECTION • • •")
490         print("_____")
```

```
View    Insert    Cell    Kernel    Widgets    Help
Run
490     print("_____")
491     print()
492
493     # Location list, graph list and location count
494     location = []
495     graph = []
496     location_count = 0
497
498     # Adding data into Location list
499     add_location("A")
500     add_location("B")
501     add_location("C")
502     add_location("D")
503     add_location("E")
504     add_location("F")
505     add_location("G")
506     add_location("H")
507
508     # Weight and Direction for Location A - (iMagination 3D Theatre)
509     add_distance("A","C",500)
510     add_distance("A","H",122)
511     add_distance("A","F",250)
512     #Suggest the shortest way if across the other nodes (location)
513     add_distance("A","B",566)
514     add_distance("A","D",323)
515     add_distance("A","E",712)
516     add_distance("A","G",479)
517
518
519     # Weight and Direction for Location B - (DESA Wave Pool)
520     add_distance("B","C",147)
521     add_distance("B","E",154)
522     add_distance("B","D",243)
523     #Suggest the shortest way if across the other nodes (location)
524     add_distance("B","A",566)
```



```
View    Insert    Cell    Kernel    Widgets    Help
[Icon] [Icon] [Up] [Down] [Run] [Stop] [Refresh] [Next] Code [Dropdown] [Icon]


523      #Suggest the shortest way if across the other nodes (location)
524      add_distance("B","A",566)
525      add_distance("B","F",553)
526      add_distance("B","G",391)
527      add_distance("B","H",444)
528
529
530      # Weight and Direction for Location C - (Dragon Coaster Ride)
531      add_distance("C","B",147)
532      add_distance("C","D",110)
533      add_distance("C","H",317)
534      add_distance("C","A",500)
535      #Suggest the shortest way if across the other nodes (location)
536      add_distance("C","E",301)
537      add_distance("C","F",417)
538      add_distance("C","G",266)
539
540
541      # Weight and Direction for Location D - Zombie House ESCAPE!
542      add_distance("D","B",243)
543      add_distance("D","C",110)
544      add_distance("D","H",201)
545      add_distance("D","F",310)
546      add_distance("D","G",156)
547      add_distance("D","E",389)
548      #Suggest the shortest way if across the other nodes (location)
549      add_distance("D","A",323)
550
551
552      # Weight and Direction for Location E - Splash 'N' Swirl Safari
553      add_distance("E","B",154)
554      add_distance("E","D",389)
555      add_distance("E","G",237)
556      #Suggest the shortest way if across the other nodes (location)
```

```
View    Insert    Cell    Kernel    Widgets    Help

Run

555     add_distance("E", "G", 237)
556     #Suggest the shortest way if across the other nodes (location)
557     add_distance("E", "A", 712)
558     add_distance("E", "C", 301)
559     add_distance("E", "F", 699)
560     add_distance("E", "H", 590)
561
562
563     # Weight and Direction for Location F - VR: Shoot The ENEMY!
564     add_distance("F", "A", 250)
565     add_distance("F", "D", 310)
566     add_distance("F", "G", 496)
567     add_distance("F", "H", 100)
568     #Suggest the shortest way if across the other nodes (location)
569     add_distance("F", "B", 553)
570     add_distance("F", "C", 417)
571     add_distance("F", "G", 496)
572     add_distance("F", "E", 690)
573
574
575     # Weight and Direction for Location G - MINI Zoo Tour
576     add_distance("G", "E", 237)
577     add_distance("G", "D", 156)
578     add_distance("G", "F", 310)
579     #Suggest the shortest way if across the other nodes (location)
580     add_distance("G", "A", 479)
581     add_distance("G", "B", 391)
582     add_distance("G", "C", 310)
583     add_distance("G", "H", 357)
584
585
586     # Weight and Direction for Location H - Lost Kingdom Ride
587     add_distance("H", "A", 122)
588     add_distance("H", "C", 317)
589     add_distance("H", "D", 201)
```



```
621         # User key in their input
622         L1 = input("Enter location: ")
623         L1 = L1.capitalize()
624         print()
625         L2 = input("Enter Next Location: ")
626         L2 = L2.capitalize()
627         print()
628
629         # Creating Graph
630         index1 = find_distance(L1)
631         index2 = find_distance(L2)
632
633         distance = find_total_distance(index1,index2)
634         totaldistance = totaldistance + distance
635
636         print("Total Distance travelled:",totaldistance,"M")
637         print()
638         distance_menu = input("Do you wish to continue?(y/n): ")
639         print()
640         menu = input("Go Back To Main Menu?(y/n): ")
641         print()
642
643     # user Choose option 3
644     elif answer == '4':
645         print()
646         print("\n")
647         print("THANK YOU!", "\u2764\uFE0F", "ENJOY EVERY MOMENTS IN DESA THEME PARK"\u001f600""))
648         break
649
650     else:
651         # warning for Invalid Input
652         print("Invalid Input!!! Try again. ")
653         print()
654
```


6.2) Coding of An Application (page 27)

Linked List Process

```
class Vertex:
    def __init__(self,initdata):
        self.data = initdata
        self.next = None

    def getData(self):
        return self.data

    def getNext(self):
        return self.next

    def setData(self,newdata):
        self.data = newdata

    def setNext(self,newnext):
        self.next = newnext

class List:

    def __init__(self):
        self.head = None

    def empty(self):
        return self.head == None

    def add(self,item):
        temp = Vertex(item)
        temp.setNext(self.head)
        self.head = temp

    def size(self):
        current = self.head
        count = 0

        while current != None:
            count = count + 1
            current = current.getNext()

        return count
```

```

def search(self,item):
    current = self.head
    found = False

    while current != None and not found:
        if current.getData() == item:
            found = True
        else:
            current = current.getNext()

    return found

def remove(self,item):
    current = self.head
    previous = None
    found = False

    while not found:
        if current.getData() == item:
            found = True
        else:
            previous = current
            current = current.getNext()

    if previous == None:
        self.head = current.getNext()
    else:
        previous.setNext(current.getNext())

def print(self):
    current = self.head

    while current != None:
        print(current.getData())
        current = current.getNext()

```

Graph Process Code

```

def add_location(L):
    global location_count
    location_count = location_count + 1
    location.append(L)
    for x in graph:
        x.append(0)

temp = []

```

```

        for y in range (location_count):
            temp.append(0)
        graph.append(temp)

def add_distance(L1,L2,distance):
    index1 = location.index(L1)
    index2 = location.index(L2)
    graph[index1][index2] = distance
    graph[index2][index1] = distance

def print_graph():
    for i in range (location_count):
        for j in range(location_count):
            print(format(graph[i][j], "<3"), end = " ")
        print()

def find_total_distance(L1,L2):
    return int(graph[L1][L2])

def find_distance(D):
    pos = 0

    while pos < len(location):
        if location[pos] == D:
            index = pos
            pos = pos + 1

    return index

# declare to start the program
print("Type 'start' to begin")
answer = input(":")
print()

#looping for menu
menu = 'y'

# Declare Linked List
namelist = List()
totalprice_list = List()

# Main Program (looping)
if answer == 'start':
    while menu == 'y':

```



```

# appropriate greetings
# Main Menu

print("*****
*****")

print("°☆.。.:* . ° . °☆.。.\033[1m WELOCOME TO DESA THEME PARK
. °☆.。.:* . ° . °☆.。.:* ")

print("*****
*****")

print()
print("HELLO WHAT CAN WE HELP YOU TODAY?")
print()
print("\u2764\uFE0F", "MENU", "\u2764\uFE0F")
print ("\n1.) PURCHASE TICKETS \n2.) CHECK CUSTOMER'S NAME
\n3.) DISTANCE TRAVEL \n4.) EXIT ")
print()
print
("*****
*****")

print()

# From User Input
answer = input("Your Options From Menu?(number): ")
print()

# User Choose option 1
if answer == '1':
    print("_____")
    print(" . . . . TICKETS PURCHASE SECTION . . . . ")
    print("_____")
    print()

    # Collection of Variable
    other_user = 'y'
    while other_user == 'y':
        game_package = 'y'
        totalprice = 0

        print()

        # User Input Name
        name = input("Please Enter Your Name: ")

```

```

# User input name added into the list
namelist.add(name)

print()

# User Input Age
age = int(input("Please Enter Your Age: "))

print()

#Kids Price Menu
if age <= 12:
    # Looping for kids game options
    while game_package == 'y':
        print("Hello",name,"!", "Please Choose Your
Game Tickets ")
        print("----- KIDS PACKAGE
-----")
        print()
        print("    NAME                                PACKAGE
PRICE")
        print()
        print("iMagination 3D Theatre                        A
RM3.00/each")
        print("DESA Wave Pool                                B
RM2.00/each")
        print("Dragon Coaster Ride                                C
RM5.10/each")
        print("Zombie House ESCAPE!                                D
RM4.00/each")
        print("Splash 'N' Swirl Safari                                E
RM2.50/each")
        print("VR: Shoot That ENEMY!                                F
RM5.30/each")
        print("MINI Zoo Tour                                G
RM1.60/each")
        print("Lost Kingdom Ride                                H
RM3.50/each")
        print()

        # user Input : Package Selection
        package = input("Choose Your Package: ")
        package = package.capitalize()
        print()

        # Price & total Calculation for each package

```

```

        if package == 'A':
            qty = int(input("Quantity of Tickets?: "))
            price = 3 * qty
            totalprice = totalprice + price
            print("'iMagination 3D Theatre' Has Added
To Cart")

print("-----")
)
            print("Price Package A: RM",price)
            print("Total Current Price:
RM",totalprice)

print("-----")
)
            print()

        elif package == 'B':
            qty = int(input("Quantity of Tickets?: "))
            price = 2 * qty
            totalprice = totalprice + price
            print("'DESA Wave Pool' Has Added To
Cart!")

print("-----")
)
            print("Price Package B: RM",price)
            print("Total Current Price:
RM",totalprice)

print("-----")
)
            print()

        elif package == 'C':
            qty = int(input("Quantity of Tickets?: "))
            price = 5.10 * qty
            totalprice = totalprice + price
            print("'Dragon Coaster Ride'Has Added To
Cart!")

print("-----")
)
            print("Price Package C: RM",price)
            print("Total Current Price:
RM",totalprice)

```

```

print("-----")
)
    print()

    elif package == 'D':
        qty = int(input("Quantity of Tickets?: "))
        price = 4 * qty
        totalprice = totalprice + price
        print("'Zombie House ESCAPE!'Has Added To
Cart!")

print("-----")
)
    print("Price of Package D: RM",price)
    print("Total Current price:
RM",totalprice)

print("-----")
)
    print()

    elif package == 'E':
        qty = int(input("Quantity of Tickets?: "))
        price = 2.50 * qty
        totalprice = totalprice + price
        print("'Splash 'N' Swirl Safari' Has Added
To Cart!")

print("-----")
)
    print("Price of Package E: RM",price)
    print("Total Current Price:
RM",totalprice)

print("-----")
)
    print()

    elif package == 'F':
        qty = int(input("Quantity of Tickets?: "))
        price = 5.30 * qty
        totalprice = totalprice + price
        print("'VR:Shoot That ENEMY!'Has Added To
Cart!")

```

```

print("-----"
)
        print("Price of Package F: RM",price)
        print("Total Current Payment:
RM",totalprice)

print("-----"
)
        print()

        elif package == 'G':
            qty = int(input("Quantity of Tickets?: "))
            price = 1.60 * qty
            totalprice = totalprice + 1.60
            print("'MINI Zoo Tour' Has Added To
Cart!")

print("-----"
)
        print("Price: RM",price)
        print("Total payment: RM",totalprice)

print("-----"
)
        print()

        elif package == 'H':
            qty = int(input("Quantity of Tickets?: "))
            price = 3.50 * qty
            totalprice = totalprice + price
            print("'Lost Kingdom Ride' Has Added To
Cart!")

print("-----"
)
        print("Price of package H: RM",price)
        print("Total Current Price:
RM",totalprice)

print("-----"
)
        print()

        else:
            print("Invalid Package! Try again. ")

```

```

        print()

        # Looping For Other Package Selection For Kids
        print()
        game_package = input("Add More Another
Package?(y/n): ")
        print()

        # Add Data TotalPrice Into list
        totalprice_list.add(totalprice)

    else:
        # Looping for Adult Package
        while game_package == 'y':
            print("Hello",name,"!", "Please Choose Your
Game Tickets ")

            print("----- ADULT PACKAGE
-----")
            print()
            print("    NAME                                PACKAGE
PRICE")

            print()
            print("iMagination 3D Theatre                    A
RM5.00/each")
            print("DESA Wave Pool                                B
RM4.75/each")
            print("Dragon Coaster Ride                            C
RM8.10/each")
            print("Zombie House ESCAPE!                        D
RM5.30/each")
            print("Splash 'N' Swirl Safari                        E
RM7.45/each")
            print("VR: Shoot That ENEMY!                        F
RM10.31/each")
            print("MINI Zoo Tour                                G
RM3.65/each")
            print("Lost Kingdom Ride                                H
RM6.50/each")

            print()

            #user input for adult package
            package = input("Choose Your Package: ")
            package = package.capitalize()
            print()

            # Activity calculation

```

```

        if package == 'A':
            qty = int(input("How Many Tickets?: "))
            price = 5 * qty
            totalprice = totalprice + price
            print("'iMagination 3D Theatre' Has Added
To Cart!")

print("-----")
)
            print("Price of Package A: RM", price)
            print("Total Current Price:
RM",totalprice)

print("-----")
)
            print()

        elif package == 'B':
            qty = int(input("How Many Tickets?: "))
            price = 4.75 * qty
            totalprice = totalprice + price
            print("'DESA Wave Pool' Has Added To
Cart!")

print("-----")
)
            print("Price of Package B: RM",price)
            print("Total Current Price:
RM",totalprice)

print("-----")
)
            print()

        elif package == 'C':
            qty = int(input("Quantity of Tickets?: "))
            price = 8.10 * qty
            totalprice = totalprice + price
            print("'Dragon Coaster Ride' Has Added To
Cart!")

print("-----")
)
            print("Total Price Package C: RM",price)
            print("Total Current Price:
RM",totalprice)

```

```

print("-----")
)
    print()

    elif package == 'D':
        qty = int(input("How Many Tickets?: "))
        price = 5.30 * qty
        totalprice = totalprice + price
        print("'Zombie House ESCAPE!'Has Added To
Cart! ")

print("-----")
)
    print("Total Price Package D: RM",price)
    print("Total Current Price:
RM",totalprice)

print("-----")
)
    print()

    elif package == 'E':
        qty = int(input("How Many Tickets?: "))
        price = 7.45 * qty
        totalprice = totalprice + price
        print("'Splash 'N' Swirl' Has Added To
Cart! ")

print("-----")
)
    print("Total Price Package E: RM",price)
    print("Total Current Price:
RM",totalprice)

print("-----")
)
    print()

    elif package == 'F':
        qty = int(input("How Many Tickets?: "))
        price = 10.31 * qty
        totalprice = totalprice + price
        print("'VR:Shoot That ENEMY!' Has Added To
Cart! ")

```



```

print("-----"
)
                                print("Total Price Package F: RM",price)
                                print("Total Current Price:
RM",totalprice)

print("-----"
)
                                print()

                                elif package == 'G':
                                    qty = int(input("How Many Tickets?: "))
                                    price = 3.65 * qty
                                    totalprice = totalprice + price
                                    print("'MINI Zoo Tour' Has Added To Cart!
")

print("-----"
)
                                print("Total Price Package G: RM",price)
                                print("Total Current Price:
RM",totalprice)

print("-----"
)
                                print()

                                elif package == 'H':
                                    qty = int(input("How Many Tickets?: "))
                                    price = 6.50 * qty
                                    totalprice = totalprice + price
                                    print("'Lost Kingdom Ride' Has Added To
Cart! ")

print("-----"
)
                                print("Total Price Package H: RM",price)
                                print("Total Current Price:
RM",totalprice)

print("-----"
)
                                print()

                                else:

```

```

        # warning if wrong input
        print("Invalid Package!Please try again.")
        print()

        # Looping for other package selection (adult)
        print()
        game_package = input("Add More Another
Package?(y/n): ")
        print()

        # Adding data into list
        totalprice_list.add(totalprice)

        # Pass to other user selection
        print()
        other_user = input(" Next Person?(y/n): ")
        print()

    # Printing list for customer's name
    print("_____")
    print("LIST OF CUSTOMER'S NAME")
    print("_____")
    namelist.print()

    print()

    #printing list for total payment
    print("_____")
    print("TOTAL PAYMENT IN LIST")
    print("_____")
    totalprice_list.print()

    print()

    #size of list customer
    print("Total Customer: ", namelist.size())
    print()

    print()

    menu = input("Go Back To Main Menu?(y/n): ")
    print()

elif answer == '2':

```

```

print("-----")
        print("• • • CUSTOMER'S NAME CHECKING IN TICKET
PAYMENT LIST • • •")

print("-----")

        respond = input(" Search For Customer Name?(y/n): ")
        while respond != 'n':
            print()
            name = input("Enter The Search Name: ")
            found = namelist.search(name)
            if found:
                print(name, " Is Existed In Ticket Payment
List\n")
            else:
                print(name, " Is NOT Existed in Ticket Payment
List\n")
            print()

            respond = input("Continue To Search Customer
Name?(y/n): ")

            menu = input("Go Back To Main Menu?(y/n): ")
            print()

#option option 3
elif answer == '3':
    print("-----")
    print("• • • DISTANCE TRAVELED SECTION • • •")
    print("-----")
    print()

    # Location list, graph list and location count
    location = []
    graph = []
    location_count = 0

    # Adding data into location list
    add_location("A")
    add_location("B")
    add_location("C")
    add_location("D")
    add_location("E")

```

```

    add_location("F")
    add_location("G")
    add_location("H")

Theatre)    # Weight and Direction for Location A - (iMagination 3D

    add_distance("A","C",500)
    add_distance("A","H",122)
    add_distance("A","F",250)
    #Suggest the shortest way if across the other nodes
(location)

    add_distance("A","B",566)
    add_distance("A","D",323)
    add_distance("A","E",712)
    add_distance("A","G",479)

    # Weight and Direction for Location B - (DESA Wave Pool)
    add_distance("B","C",147)
    add_distance("B","E",154)
    add_distance("B","D",243)
    #Suggest the shortest way if across the other nodes
(location)

    add_distance("B","A",566)
    add_distance("B","F",553)
    add_distance("B","G",391)
    add_distance("B","H",444)

    # Weight and Direction for Location C - (Dragon Coaster
Ride)

    add_distance("C","B",147)
    add_distance("C","D",110)
    add_distance("C","H",317)
    add_distance("C","A",500)
    #Suggest the shortest way if across the other nodes
(location)

    add_distance("C","E",301)
    add_distance("C","F",417)
    add_distance("C","G",266)

    # Weight and Direction for Location D - Zombie House
ESCAPE!

    add_distance("D","B",243)
    add_distance("D","C",110)

```

```

add_distance("D","H",201)
add_distance("D","F",310)
add_distance("D","G",156)
add_distance("D","E",389)
#Suggest the shortest way if across the other nodes
(location)
add_distance("D","A",323)

# Weight and Direction for Location E - Splash 'N' Swirl
Safari
add_distance("E","B",154)
add_distance("E","D",389)
add_distance("E","G",237)
#Suggest the shortest way if across the other nodes
(location)
add_distance("E","A",712)
add_distance("E","C",301)
add_distance("E","F",699)
add_distance("E","H",590)

# Weight and Direction for Location F - VR: Shoot The
ENEMY!
add_distance("F","A",250)
add_distance("F","D",310)
add_distance("F","G",496)
add_distance("F","H",100)
#Suggest the shortest way if across the other nodes
(location)
add_distance("F","B",553)
add_distance("F","C",417)
add_distance("F","G",496)
add_distance("F","E",690)

# Weight and Direction for Location G - MINI Zoo Tour
add_distance("G","E",237)
add_distance("G","D",156)
add_distance("G","F",310)
#Suggest the shortest way if across the other nodes
(location)
add_distance("G","A",479)
add_distance("G","B",391)
add_distance("G","C",310)
add_distance("G","H",357)

```

```

# Weight and Direction for Location H - Lost Kingdom Ride
add_distance("H","A",122)
add_distance("H","C",317)
add_distance("H","D",201)
add_distance("H","F",100)
#Suggest the shortest way if across the other nodes
(location)
add_distance("H","B",444)
add_distance("H","E",590)
add_distance("H","G",357)

# Declare the Variable
totaldistance = 0
distance_menu = 'y'

# Distance Menu Looping
while distance_menu == 'y':
    print()

    # Display MENU for user reference
    print("Hello",name,"!", "Please select from where and
where you want to go ")
    print()
    print("_____ DISTANCE TRAVEL
_____ ")
    print()
    print("      NAME                                LOCATION
")
    print()
    print("iMagination 3D Theatre                        A
")
    print("DESA Wave Pool                                    B
")
    print("Dragon Coaster Ride                                C
")
    print("Zombie House ESCAPE!                               D
")
    print("Splash 'N' Swirl Safari                            E
")
    print("VR: Shoot That ENEMY!                              F
")
    print("MINI Zoo Tour                                        G
")

```

[illegible]

```
print("TM" + "TM")
```

```
print("          THANK YOU!", "\u2764\uFE0F", "ENJOY EVERY  
MOMENTS IN DESA THEME PARK""\U0001f600""")
```

```
# Appropriate farewell (exit program)
```

```
else:
```

```
print()
```

```
print("TM" + "TM")
```

```
print("          THANK YOU!", "\u2764\uFE0F", "ENJOY EVERY MOMENTS IN  
DESA THEME PARK""\U0001f600""")
```


6.4) Print Screen Of Output

```
Type 'start' to begin
:start
```

```
*****
◊☆.◊ .:*.◊.◊☆.◊ . WELOCOME TO DESA THEME PARK ◊☆.◊ .:*.◊.◊☆.◊ .:*.
*****
```

```
HELLO WHAT CAN WE HELP YOU TODAY?
```

```
♥ MENU ♥
```

- 1.) PURCHASE TICKETS
- 2.) CHECK CUSTOMER'S NAME
- 3.) DISTANCE TRAVEL
- 4.) EXIT

```
*****
```

```
Your Options From Menu?(number): 1
```

```
*. *. *. TICKETS PURCHASE SECTION *. *. *
```

```
Please Enter Your Name: Aisyah
```

```
Please Enter Your Age: 23
```

```
Date of Booking Your Tickets: 29/02/2022
```

```
Hello Aisyah ! Please Choose Your Game Tickets
```

```
ADULT PACKAGE
```

Please Enter Your Name: Aisyah

Please Enter Your Age: 23

Date of Booking Your Tickets: 29/02/2022

Hello Aisyah ! Please Choose Your Game Tickets

ADULT PACKAGE		
NAME	PACKAGE	PRICE
iMagination 3D Theatre	A	RM5.00/each
DESA Wave Pool	B	RM4.75/each
Dragon Coaster Ride	C	RM8.10/each
Zombie House ESCAPE!	D	RM5.30/each
Splash 'N' Swirl Safari	E	RM7.45/each
VR: Shoot That ENEMY!	F	RM10.31/each
MINI Zoo Tour	G	RM3.65/each
Lost Kingdom Ride	H	RM6.50/each

Choose Your Package: A

How Many Tickets?: 2

'iMagination 3D Theatre' Has Added To Cart!

Price of Package A: RM 10

Total Current Price: RM 10

Add More Another Package?(y/n): y

Hello Aisyah ! Please Choose Your Game Tickets

ADULT PACKAGE		
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Add More Another Package?(y/n): y

Hello Aisyah ! Please Choose Your Game Tickets

ADULT PACKAGE		
NAME	PACKAGE	PRICE
iMagination 3D Theatre	A	RM5.00/each
DESA Wave Pool	B	RM4.75/each
Dragon Coaster Ride	C	RM8.10/each
Zombie House ESCAPE!	D	RM5.30/each
Splash 'N' Swirl Safari	E	RM7.45/each
VR: Shoot That ENEMY!	F	RM10.31/each
MINI Zoo Tour	G	RM3.65/each
Lost Kingdom Ride	H	RM6.50/each

Choose Your Package: B

How Many Tickets?: 2

'DESA Wave Pool' Has Added To Cart!

Price of Package B: RM 9.5

Total Current Price: RM 19.5

Add More Another Package?(y/n): n

Next Person?(y/n): y

Please Enter Your Name: Amirah

Please Enter Your Name: Amirah

Please Enter Your Age: 11

Date of Booking Your Tickets: 16/02/2022

Hello Amirah ! Now Please Choose Your Game Tickets

KIDS PACKAGE

NAME	PACKAGE	PRICE
iMagination 3D Theatre	A	RM3.00/each
DESA Wave Pool	B	RM2.00/each
Dragon Coaster Ride	C	RM5.10/each
Zombie House ESCAPE!	D	RM4.00/each
Splash 'N' Swirl Safari	E	RM2.50/each
VR: Shoot That ENEMY!	F	RM5.30/each
MINI Zoo Tour	G	RM1.60/each
Lost Kingdom Ride	H	RM3.50/each

Choose Your Package: C

Quantity of Tickets?: 2

'Dragon Coaster Ride'Has Added To Cart!

Price Package C: RM 10.2

Total Current Price: RM 10.2

Add More Another Package?(y/n): y

Hello Amirah ! Now Please Choose Your Game Tickets

KIDS PACKAGE

Hello Amirah ! Now Please Choose Your Game Tickets

KIDS PACKAGE

NAME	PACKAGE	PRICE
iMagination 3D Theatre	A	RM3.00/each
DESA Wave Pool	B	RM2.00/each
Dragon Coaster Ride	C	RM5.10/each
Zombie House ESCAPE!	D	RM4.00/each
Splash 'N' Swirl Safari	E	RM2.50/each
VR: Shoot That ENEMY!	F	RM5.30/each
MINI Zoo Tour	G	RM1.60/each
Lost Kingdom Ride	H	RM3.50/each

Choose Your Package: D

Quantity of Tickets?: 2

'Zombie House ESCAPE!'Has Added To Cart!

Price of Package D: RM 8

Total Current price: RM 18.2

Add More Another Package?(y/n): n

Next Person?(y/n): y

Please Enter Your Name: Amin

Please Enter Your Age: 45

Date of Booking Your Tickets: 30/03/2022

Please Enter Your Age: 45
Date of Booking Your Tickets: 30/03/2022

Hello Amin ! Please Choose Your Game Tickets

ADULT PACKAGE		
NAME	PACKAGE	PRICE
iMagination 3D Theatre	A	RM5.00/each
DESA Wave Pool	B	RM4.75/each
Dragon Coaster Ride	C	RM8.10/each
Zombie House ESCAPE!	D	RM5.30/each
Splash 'N' Swirl Safari	E	RM7.45/each
VR: Shoot That ENEMY!	F	RM10.31/each
MINI Zoo Tour	G	RM3.65/each
Lost Kingdom Ride	H	RM6.50/each

Choose Your Package: E

How Many Tickets?: 2
'Splash 'N' Swirl' Has Added To Cart!

Total Price Package E: RM 14.9
Total Current Price: RM 14.9

Add More Another Package?(y/n): n

Next Person?(y/n): n

LIST OF CUSTOMER'S NAME

LIST OF CUSTOMER'S NAME

Amin
Amirah
Aisyah

TOTAL PAYMENT IN LIST

14.9
18.2
19.5

Total Customer: 3

Go Back To Main Menu?(y/n): y

°☆.。.:*·°·°☆.。· WELOCOME TO DESA THEME PARK · °☆.。.:*·°·°☆.。.:*

HELLO WHAT CAN WE HELP YOU TODAY?

♥ MENU ♥

- 1.) PURCHASE TICKETS
- 2.) CHECK CUSTOMER'S NAME
- 3.) DISTANCE TRAVEL
- 4.) EXIT

Your Options From Menu?(number): 2

Your Options From Menu?(number): 2

。。* CUSTOMER'S NAME CHECKING IN TICKET PAYMENT LIST *。*。*

Search For Customer Name?(y/n): y

Enter The Search Name: Amin

Amin Is EXISTED In Ticket Payment List

Continue To Search Customer Name?(y/n): y

Enter The Search Name: Amirah

Amirah Is EXISTED In Ticket Payment List

Continue To Search Customer Name?(y/n): y

Enter The Search Name: Aisyah

Aisyah Is EXISTED In Ticket Payment List

Continue To Search Customer Name?(y/n): y

Enter The Search Name: Ali

Ali Is NOT EXISTED in Ticket Payment List

Continue To Search Customer Name?(y/n): y

Enter The Search Name: Ahmad

Ahmad Is NOT EXISTED in Ticket Payment List

Continue To Search Customer Name?(y/n): n

Go Back To Main Menu?(y/n): y

Continue To Search Customer Name?(y/n): n

Go Back To Main Menu?(y/n): y

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°☆.. .:*.°.*°☆.. . WELOCOME TO DESA THEME PARK *°☆.. .:*.°.*°☆.. .:*
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HELLO WHAT CAN WE HELP YOU TODAY?

♥ MENU ♥

- 1.) PURCHASE TICKETS
- 2.) CHECK CUSTOMER'S NAME
- 3.) DISTANCE TRAVEL
- 4.) EXIT

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Your Options From Menu?(number): 3

*.°. *°. * DISTANCE TRAVELED SECTION *.°. *.°.*

Hello Ahmad ! Please select from where and where you want to go

DISTANCE TRAVEL	
NAME	LOCATION
iMagination 3D Theatre	A
DESA Wave Pool	B
Dragon Coaster Ride	C

Dragon Coaster Ride	C
Zombie House ESCAPE!	D
Splash 'N' Swirl Safari	E
VR: Shoot That ENEMY!	F
MINI Zoo Tour	G
Lost Kingdom Ride	H

Enter location: A

Enter Next Location: H

Total Distance travelled: 122 M

Do you wish to continue?(y/n): y

Hello Ahmad ! Please select from where and where you want to go

DISTANCE TRAVEL	
NAME	LOCATION
iMagination 3D Theatre	A
DESA Wave Pool	B
Dragon Coaster Ride	C
Zombie House ESCAPE!	D
Splash 'N' Swirl Safari	E
VR: Shoot That ENEMY!	F
MINI Zoo Tour	G
Lost Kingdom Ride	H

Enter location: G

Enter Next Location: B

Total Distance travelled: 513 M

Do you wish to continue?(y/n): y

Hello Ahmad ! Please select from where and where you want to go

DISTANCE TRAVEL	
NAME	LOCATION
iMagination 3D Theatre	A
DESA Wave Pool	B
Dragon Coaster Ride	C
Zombie House ESCAPE!	D
Splash 'N' Swirl Safari	E
VR: Shoot That ENEMY!	F
MINI Zoo Tour	G
Lost Kingdom Ride	H

Enter location: H

Enter Next Location: C

Total Distance travelled: 830 M

Do you wish to continue?(y/n): n

Go Back To Main Menu?(y/n): y

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Total Distance travelled: 830 M

Do you wish to continue?(y/n): n

Go Back To Main Menu?(y/n): y

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◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 . WELOCOME TO DESA THEME PARK · ◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 .: *
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HELLO WHAT CAN WE HELP YOU TODAY?

♥ MENU ♥

1.) PURCHASE TICKETS
2.) CHECK CUSTOMER'S NAME
3.) DISTANCE TRAVEL
4.) EXIT

*****

Your Options From Menu?(number): 4

TM  TM
THANK YOU! ♥ ENJOY EVERY MOMENTS IN DESA THEME PARK 😊

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Total Distance travelled: 830 M

Do you wish to continue?(y/n): n

Go Back To Main Menu?(y/n): y

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◦ ☆ .。 .: * · ° · ° ☆ .。 . WELOCOME TO DESA THEME PARK · ° ☆ .。 .: * · ° · ° ☆ .。 .: *
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HELLO WHAT CAN WE HELP YOU TODAY?

♥ MENU ♥

1.) PURCHASE TICKETS
2.) CHECK CUSTOMER'S NAME
3.) DISTANCE TRAVEL
4.) EXIT

*****

Your Options From Menu?(number): 4

TM  TM
THANK YOU! ♥ ENJOY EVERY MOMENTS IN DESA THEME PARK 😊

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Total Distance travelled: 830 M

Do you wish to continue?(y/n): n

Go Back To Main Menu?(y/n): y

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◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 . WELOCOME TO DESA THEME PARK · ◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 .: *
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HELLO WHAT CAN WE HELP YOU TODAY?

♥ MENU ♥

1.) PURCHASE TICKETS
2.) CHECK CUSTOMER'S NAME
3.) DISTANCE TRAVEL
4.) EXIT

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Your Options From Menu?(number): 4

TM  TM
THANK YOU! ♥ ENJOY EVERY MOMENTS IN DESA THEME PARK 😊

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Total Distance travelled: 830 M

Do you wish to continue?(y/n): n

Go Back To Main Menu?(y/n): y

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◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 . WELOCOME TO DESA THEME PARK · ◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 .: *
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HELLO WHAT CAN WE HELP YOU TODAY?

♥ MENU ♥

1.) PURCHASE TICKETS
2.) CHECK CUSTOMER'S NAME
3.) DISTANCE TRAVEL
4.) EXIT

*****

Your Options From Menu?(number): 4

TM  TM
THANK YOU! ♥ ENJOY EVERY MOMENTS IN DESA THEME PARK 😊

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Total Distance travelled: 830 M

Do you wish to continue?(y/n): n

Go Back To Main Menu?(y/n): y

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◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 . WELOCOME TO DESA THEME PARK · ◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 .: *
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HELLO WHAT CAN WE HELP YOU TODAY?

♥ MENU ♥

1.) PURCHASE TICKETS
2.) CHECK CUSTOMER'S NAME
3.) DISTANCE TRAVEL
4.) EXIT

*****

Your Options From Menu?(number): 4

TM  TM
THANK YOU! ♥ ENJOY EVERY MOMENTS IN DESA THEME PARK 😊

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Total Distance travelled: 830 M

Do you wish to continue?(y/n): n

Go Back To Main Menu?(y/n): y

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◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 . WELOCOME TO DESA THEME PARK · ◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 .: *
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HELLO WHAT CAN WE HELP YOU TODAY?

♥ MENU ♥

1.) PURCHASE TICKETS
2.) CHECK CUSTOMER'S NAME
3.) DISTANCE TRAVEL
4.) EXIT

*****

Your Options From Menu?(number): 4

TM  TM
THANK YOU! ♥ ENJOY EVERY MOMENTS IN DESA THEME PARK 😊

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Total Distance travelled: 830 M

Do you wish to continue?(y/n): n

Go Back To Main Menu?(y/n): y

◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 . WELOCOME TO DESA THEME PARK · ◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 .: *

HELLO WHAT CAN WE HELP YOU TODAY?

♥ MENU ♥

1.) PURCHASE TICKETS
2.) CHECK CUSTOMER'S NAME
3.) DISTANCE TRAVEL
4.) EXIT

Your Options From Menu?(number): 4

TM  TM
THANK YOU! ♥ ENJOY EVERY MOMENTS IN DESA THEME PARK 😊

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Total Distance travelled: 830 M

Do you wish to continue?(y/n): n

Go Back To Main Menu?(y/n): y

◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 . WELOCOME TO DESA THEME PARK · ◦ ☆ .。 .: * · ◦ · ◦ ☆ .。 .: *

HELLO WHAT CAN WE HELP YOU TODAY?

♥ MENU ♥

1.) PURCHASE TICKETS
2.) CHECK CUSTOMER'S NAME
3.) DISTANCE TRAVEL
4.) EXIT

Your Options From Menu?(number): 4

TM  TM
THANK YOU! ♥ ENJOY EVERY MOMENTS IN DESA THEME PARK 😊

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