Solution Of PRE RELEASE MATERIAL Of Olevel 2022 May/June By Sir Sami Khatri

**TASK 1**  ----> DISPLAY THE WHOLE SCENARIO OF TICKETS TO THE CUSTOMERS

declare array ticketdetail() = {"","adult ticket","child ticket","senior ticket","family ticket","group ticket"} : string

declare array attractiondetail() as string = {"","lion feeding","penguin feeding","evening BBQ (2 day ticket)"} : string

declare array days() = {"","monday","tueday","wednesday","thursday","friday","saturday","sunday","monday"} : double

declare array pricetick() = {0,20.0,12.0,16.0,60.0,15.0,30.0,18.0,24.0,90.0,22.5} : double

declare array priceattraction() = {0,2.5,2.0,5.0} : double

output "======================================================="

output "WILDLIFE PARK TICKETS"

output "TICKET TYPES & PRICES"

for count = 1 to 4

output count + " " + ticketdetail(count) + "FOR 1 DAY = $" + pricetick(count) + "FOR 2 DAYS = $" + pricetick(count + 5)

endfor

output "EXTRA ATTRACTIONS"

for count = 1 to 3

output count + " " + attractiondetail(count) + "PRICE = $" + priceattraction(count)

endfor

output "DAYS AVAILABLE FOR THE BOOKING"

for count = 1 to 7

output count + ") " + days(count)

endfor

output "======================================================="

**TAST 2**  ----> INPUT THE TICKET TYPE AND CALCULATE THE TOTAL TICKET COST

declare moreentries,moreticket,moreattraction : char

declare array attract() = {1.0,1.0,1.0,1.0} : double

declare ticketcost,totalticketcost=0,totalattractioncost=0 : double

declare tickets,day,ticketchoice,daycode,adult=0,children,senior,nooffamily=0,groupticket=0,totalgrouppeople,noofticket=0,bookingno=0,groupadult=0,groupchildren=0,groupsenior=0 : integer

output "enter how many days u wanna book, 1 or 2 ?"

input day

while (day < 1 OR day > 2) Do

output "invalid day booked, kindly reenter your value"

input day

endwhile

output "enter days selected for booking, 1-> MONDAY ---- 7-> SUNDAY"

input daycode

while (daycode < 1 OR daycode > 7) Do

output "invalid day selection , kindly reenter your value : "

input daycode

endwhile

Repeat

output "ENTER YOUR TICKET TYPE"

output "1--> PURCHASE ADULT TICKETS"

output "2--> PURCHASE CHILDREN TICKETS"

output "3--> PURCHASE SENIOR TICKETS"

output "4--> PURCHASE FAMILY TICKET OF 5 PERSON"

output "5--> PURCHASE GROUP TICKET (Any Age)"

Case Of ticketchoice

input ticketchoice

while (ticketchoice < 1 OR ticketchoice > 5 ) Do

output "invalid Ticket Type , kindly reenter your choice"

input ticketchoice

endwhile

if (adult = 0 AND ticketchoice = 2) then output "childrens are not allowed without adults, kindly enter adults first "

input ticketchoice

end if

1 : output "enter number of adult tickets ?"

input tickets

adult = tickets + adult

if (day = 2) then ticketchoice = ticketchoice + 5

end if

ticketcost = pricetick(ticketchoice) \* tickets

2 : output "enter number of childrens : "

input tickets

while (tickets > (Adult\*2))

output "children limit exeeded, please input again"

input tickets

endwhile

children = children + tickets

if (day = 2) then ticketchoice = ticketchoice + 5

endif

ticketcost = pricetick(ticketchoice) \* tickets

3 : output "enter number of senior tickets"

input tickets

senior = senior + tickets

if (day = 2) then ticketchoice = ticketchoice + 5

end if

ticketcost = pricetick(ticketchoice) \* tickets

4 : output "enter number of family tickets which consist of 3 children and up to 2 adults or seniors:"

input tickets

nooffamily = tickets + nooffamily

if (day = 2) then ticketchoice = ticketchoice + 5

end if

ticketcost = pricetick(ticketchoice) \* tickets

5 : output "enter number of adult tickets ?"

input groupadult

output (groupadult\*2) + " children can be added, enter number of children: "

input groupchildren

while (groupchildren > (groupadult\*2))

output "group children limit exeeded, please input again: "

input groupchildren

endwhile

output "enter number of seniors in the group ?"

input groupsenior

tickets = groupadult + groupchildren + groupsenior

totalgrouppeople = groupadult + groupchildren + groupsenior

if (tickets <= 6) then output "Group is less than 6 therefore group ticket is not booked"

else

groupticket = groupticket + 1

if (day = 2) then ticketchoice = ticketchoice + 5

end if

ticketcost = pricetick(ticketchoice) \* tickets

Endcase

totalticketcost = ticketcost + totalticketcost

output "do you want to add more tickets (Y/N) ? "

input moreticket

until moreticket = "Y"

nooftickets = adult + children + senior + nooffamily + groupticket

output"do you want to add attractions for same day (Y/N) ?"

repeat

input moreattraction

If moreattraction = "Y"

if day = 2 then i = 3

else i = 2

end if

for count = 1 to i

output count " --> " + attractiondetail(count)

endfor

output " enter the extra attraction you want to choose :"

input choice

attract(choice) = attract(choice) \* priceattraction(choice)

totalattractioncost = attract(choice) + totalattractioncost

Endfor

end if

Until moreattraction = "N"

output "total number of tickets are : " + nooftickets

bookingno = bookingno + 1

output "your booking number : MLP-" + 555 + bookingno

if day = 1 then output "day/days booked are :" & days(daycode)

else output "day/days booked are :" & days(daycode) + "AND" & days(daycode+1)

end if

output "cost of tickets : $" + totalticketcost

output "cost of attractions : $" + totalattractioncost

output "total cost : $" + (totalattractioncost + totalticketcost)

output "======================================================="

**TASK 3** ----> OFFER THE BEST SUGGESTED PLAN TO BUY TICKETS IN AN EFFECTIVE WAY AND SAVE YOUR MONEY

declare PeopleCost, GroupCost, FamilyCost, FactorValueChildren, FactorModChildren, FactorvalueAdults : double

declare people : integer

PeopleCost = 0

GroupCost = 0

FamilyCost = 0

if TotalGroupPeople >= 10 Then

FactorValueChildren = GroupChildren / 3

FactorvalueAdults = GroupAdults / 2

FactorModChildren = GroupChildren Mod 3

If (FactorValueChildren >= 2) And (FactorModChildren = 0) And (FactorvalueAdults =

FactorValueChildren) And GroupSeniors = 0 Then

if day = 1 then GroupCost = (GroupAdults + GroupChildren + GroupSeniors) \* 15 :

FamilyCost = 60 \* FactorValueChildren

else if (day = 2) then GroupCost = (GroupAdults + GroupChildren + GroupSeniors) \* 22.5 :

FamilyCost = 90 \* FactorValueChildren

end if

if GroupCost > FamilyCost Then

output "Group Ticket Cost:- " + GroupCost

output "Selecting " + FactorValueChildren + " Family Ticket(s) is Best Offer

than Group. Family Tickets Cost :- " + FamilyCost

end if