Pseudo-code Logic 2 Harsahbaj Singh

Data Structure

Number of total customers = n

Customer\_age, Cover\_charge, Ticket\_price, Show\_type, Total\_ticket\_price

Part 1 (Cover Charge)

Variables

Cover charge for Child (<18) = C

Cover charge for Adult (18+) = A

Cover charge for Senior (65+) = S

Admission Chid, Admission Adult, Admission Senior

Start

1. Ask for ‘n’ from the customer.
2. Ask for the age of each customer.
3. Store the age of each customer in ‘Customer\_age’.
4. According to the age apply Cover charge.
5. ‘n’ with age<18.
6. ‘C’ applied = $0.75.
7. ‘n’ with age 18+.
8. ‘A’ applied = $4.00
9. ‘n’ with age 65+.
10. ‘S’ applied = $1.50
11. According to the inputs calculate the Cover charge.
12. Number of customers with age<18 \* $0.75 = ‘Admission Child’.
13. Number of customers with age 18+ \* $4.00 = ‘Admission Adult’.
14. Number of customers with age 65+ \* $1.50 = ‘Admission Senior’.
15. Calculate Total Cover charge (‘Cover\_charge = ‘Admission Child + ‘Admission Adult’ +’Admission Senior’)
16. Store the value of cover charge in ‘Cover\_charge’.

End.

Part 2 (Ticket Charges)

Variables

Musical show= ‘M’

Theatre show = ‘T’

Matinee time(12pm-4pm) = ‘Mtime’

Evening time(6pm-9pm) = ‘Etime’

Matine musical price = MMprice

Evening musical price = EMprice

Matine theatre price = MTprice

Evening theatre price = ETprice

Start

1. Ask for ‘n’ from the customer.
2. Ask for the type of show from the customer (‘M’ or ‘T’).
3. Store this in ‘Show type’.
4. Ask for time of show (‘Mtime’ or ‘Etime’).
5. If type of show = ‘M’ then set ‘Ticket\_price’ for
6. ‘Mtime’ = $70.00/person
7. ‘Etime’ = $150.00/person
8. If type of show = ‘T’ then set for ‘Ticket\_price for
9. ‘Mtime’ = $55.00/person
10. ‘Etime’ = $115.00/person
11. According to the inputs calculate the ticket price.
12. If show type = ‘M’ and time =
13. ‘Mtime’ then, MMprice = n\*$70.00.
14. ‘Etime’ then , EMprice = n\*$150.00.
15. If show type = ‘T’ and time =
16. ‘Mtime’ then, MTprice = n\*$55.00.
17. ‘Etime’ then , ETprice = n\*$115.00.
18. Store the relevant price in Total\_ticket\_price.

END.