

1. A new aero plane service company announces a new scheme in ticket reservation as its opening ceremony offers. It runs a 100 seat plane as 3 services a day. The booking scheme as follows:

For first 20 passengers, 50% discount for child (age below 10 years) and 40% for Adult from the original ticket cost;

For the next 20 passengers it charges 30 % from the original ticket cost;

For the next 30 passengers it gives 25% off on the original ticket cost;

For the remaining passengers it gives a 10% off on the original ticket cost.

Obtain the customer details like Adult/Child and number of tickets.

Write a javascript program on submission of details to calculate the amount earned by the company in a month.

2. Design a web page with a paragraph, iframe, image and text box. Write a script to manipulate these elements by ID and perform the following

- i) display the current date and time for the paragraph,
- ii) Change the background color of the iframe.
- iii) Change the source of the image and
- iv) Change the text in the text field to upper case.

3. A cellular company offers 2 types of service: regular and premium for its customers. Its rates vary, depending on the type of service. The rates are computed as follows:

Regular service:

Rs 10.00 + 1st 50 minutes and 10 texts are free. Charges for over 50 minutes are 0.25p per minute and 0.10 for 1 text.

Premium service:

Rs 25.00 plus:

a: the 1st 75 minutes and 25 texts are free; charges for over 75 minutes are 0.10p per minute and 0.10 for 1 text.

b: the 1st 100 minutes and 50 texts are free; for over 100 minutes are 0.50p per minute and 0.25 for 1 text.

Your HTML program should prompt the user to enter a phone number, a service code (PRE for premium and REG for regular) and the number of minutes the service was used and number of texts being sent. Write a javascript program that calculates and prints the bill amount in a dialog box.

4. Spencer, a departmental store in the city has to determine whether a customer has exceeded the credit amount in his account. The cashier should get the input for each of the following facts from every customer in an HTML page.

a) Account number

b) Initial Balance

c) Purchasing amount

If the customer has enough amount in his account to purchase the item he can purchase that and balance is calculated by subtracting purchased amount from initial balance. For those customers whose purchase amount is exceeding the balance, the program should display the customer's account number and the message stating "sorry, balance is low" in an alert box.