



**Exercise I: (50 pints)**

Create an HTML page, CSS codes and include the following text and lists:

- The normal font size of the lists is **30px**.
- The color of the title "**Shopping online laptop**" is **red** using CSS code.
- The background color of the title text below the title "**Shopping online laptop**" is **yellow** and the width is **860px** using CSS code.
- When the user moves the mouse over the text, the font color will be **blue** and the font size will be changed to **20px** using CSS code. see the figure below:
- The background color of the bottom is **orange**, width is **216px**, color is **white** and the margin-left is **128px** using CSS code.

Create a JS function "**addDiscount ()**":

- Name the variable names by the **percentage**, **laptopname**, **pricebd** and **pricead**.
- The user should enter the values of "**Laptop Name**" and "**Price Before Discount**", and then press the button "**Calculate the Price After Discount**".
- When the user moves the mouse over the table, its border color will be changed to **aqua** and width to **500px**.
- When the user moves the mouse out of the table, its border color will be removed and size will be changed to **500px**.
- Anytime the user moves a mouse over the table, its border color and size will be changed.
- The input type of **Laptop name** has a **margin-left:109px** using the style CSS.
- The percentage of discount is **35%**.
- When the user clicks on the button "**Calculate the Price After Discount**" after filling the textboxes, the new values will be added to the table in the new row, and the information about the price after discount for the laptop will be added below the button, see the figures below.

**Hint:**

- **Price after discount**=(1-percentage/100) × price before discount
- **Total price** is the sum of all prices after discount.

## Shopping online laptop

A laptop computer or notebook computer, also known as a laptop or notebook, is a small, portable personal computer (PC).

Laptop Name	Prices Before Discount	Prices After Discount
HP	500	325
TOSHIBA	400	260
LENOVO	600	390

Percentage of discount (in %) : 35

Laptop Name:

Price Before Discount:

**The Total price After Discount is 975**

### Exercise II: (50 points)

1) Write the following HTML code:

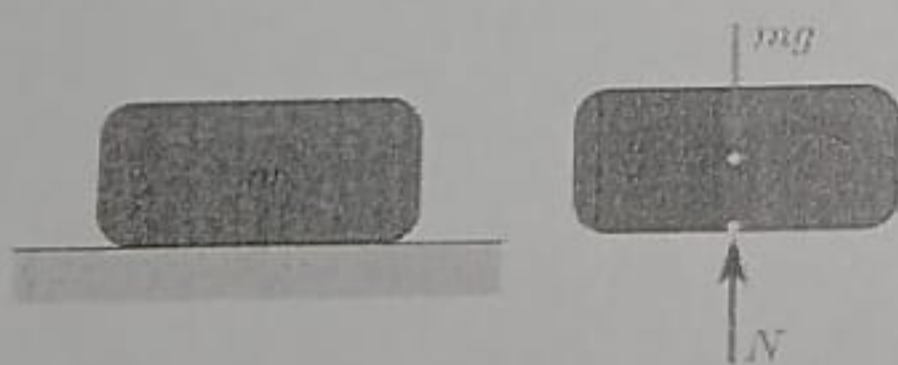
#### Weight:

**The Weight is a force exerted on a body by gravity**

**Calculate the Weight of the body:**

Mass  Gravity

The Weight of the body is



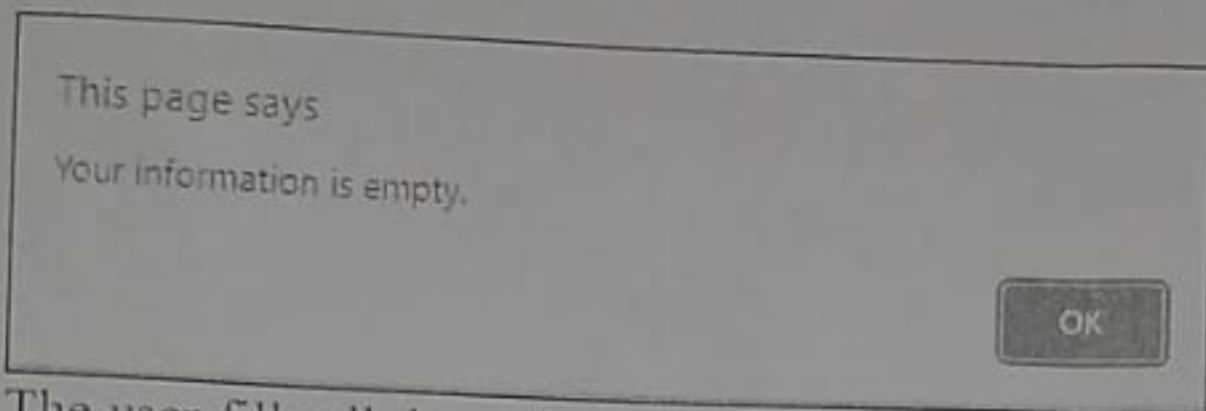
#### Select a weight shape

Weight\_2  Weight\_3  Weight\_4

The variable's name of each input type and the button are **mass**, **gravity**, **calculate\_Weight** and **answer**.

2) Create a JS function "**Weight ()**":

- The user should fill all the textboxes: "**mass**", "**gravity**" and then press the button. In case one of the textboxes is empty, a message will appear in alert box with the text "**Your Information is empty**".



- The user fills all the values of **mass** and **gravity**, clicks on the button, the **Calculate the Weight** - will be calculated and displayed in the textbox.
- If the calculated is greater than or equal to **200**, you will display a message below the button with a **red** color style and the weight value after the calculation.
- you click on the radio input type, the image change with corresponding image. The page contains **weight1.jpg** as a default image.

**Hint:**

- **Weight = mass × gravity**