



University of Oum El Bouaghi
Department of Mathematics and Computer Science
AWP Module (3rd year Bachelor ISSE) Typical Solution

➤ **Course comprehension responses: (7 pts)**

1- JavaScript is a language that allows:
- Create static web pages - Create dynamic web pages X - Create hybrid web pages
2- In which part of an html document can we insert JavaScript code?
- <body> only - <head> only - <head> and <body> X
3- Identify the error(s) in the following code :
<pre>.card { display: block; vertical-align: middle; X float: center; X margin: 20px auto; color: #333; }</pre>
4- What is the HTML code for creating links?
- linkText - Click here X - <link http="URL" /> - Clickhere
5- How to create a function in JavaScript?
- function f() X - function = f() - function : f()
6- A rich client can:
- Execute treatments - Respond to requests X - Perform requests
7- Choose the output of the following code:
<pre>let person = { name: "Ali" }; const team = [person]; person.name = "Hassan"; person = null; console.log(team);</pre>
A) [null] B) [{ name: "Ali" }] C) [{ name: "Hassan" }] X D) [undefined]

➤ **Briefly, what is the difference you see between: AJAX, JSON, XML, XAMP and PHP? (1,5 pt)**

Explanation in the course

Exercise 1: (4,5 pts) HTML code display is as follows:
N.B: Display details have to be mentioned in the response.

Exercice

Ajouter Tâche

Planning Février

Equipe	Février				
	Lun	Mar	Mer	Jeu	Ven
Equipe 1	Tâche 1	Tâche 2	Tâche 3	Tâche 4	Tâche 5
Equipe 2	Tâche 1	Tâche 2	Tâche 3	Tâche 4	Tâche 5
Equipe 3	Tâche A	Tâche B	Tâche C		Tâche D

Exercise 2: (7pts)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Vérification du Salaire</title>
</head>
<body>
  <h1>Vérification du Salaire</h1>
  <label for="salaryInput">Entrez le salaire mensuel :</label>
  <input type="number" id="salaryInput" placeholder="Ex : 35000">
  <button onclick="checkSalary()">Vérifier</button>

  <div id="output"></div>
```

```
<!-- Lien vers le fichier JavaScript -->
<script src="exo2.js"></script>
</body>
</html>
```

```
function checkSalary() {
  // Récupération du salaire entré par l'utilisateur
  const salaryInput = document.getElementById("salaryInput").value;
  const salary = parseFloat(salaryInput);
  const outputDiv = document.getElementById("output");

  // Vérification des entrées
  if (isNaN(salary) || salary <= 0) {
    outputDiv.innerHTML = `<p style="color: red;">Veuillez entrer un salaire valide.</p>`;
    return;
  }
}
```

```
// Détermination de la catégorie
let category = '';
if (salary < 30000) {
  category = "Employé débutant";
} else if (salary >= 30000 && salary <= 50000) {
  category = "Employé intermédiaire";
} else {
  category = "Employé sénior";
}
```

```
// Date et heure actuelles
const currentDate = new Date().toLocaleString();
```

```
// Vérification si le salaire est un nombre parfait
const isPerfectSalary = isPerfect(salary);
```

```
// Création de l'objet employé
const employee = {
  name: "John Doe",
  salary: salary,
  position: "Non spécifié",
  address: {
    street: "123 Rue Principale",
    city: "Alger",
    postalCode: "16000"
  }
};
```

```
// Affichage des résultats
outputDiv.innerHTML = `
  <p><b>Catégorie :</b> ${category}</p>
  <p><b>Date et heure de saisie :</b> ${currentDate}</p>
  <p><b>Nombre parfait :</b> ${isPerfectSalary ? "Oui" : "Non"}</p>
  <p><b>Informations de l'employé :</b></p>
  <ul>
    <li><b>Nom :</b> ${employee.name}</li>
    <li><b>Salaire :</b> ${employee.salary}</li>
    <li><b>Position :</b> ${employee.position}</li>
    <li><b>Adresse :</b> ${employee.address.street}, ${employee.address.city}, ${employee.address.postalCode}</li>
  </ul>
`;
}
```

```
// Fonction pour vérifier si un nombre est parfait
function isPerfect(num) {
  let sum = 0;
  for (let i = 1; i <= num / 2; i++) {
    if (num % i === 0) {
      sum += i;
    }
  }
  return sum === num;
}
```