MODULE: 1 (Introduction and Code Quality)

1. Write a program to Show an alert
   a. Alert("Alert Message")

2. What will be the result for these expressions?
   a. $5 > 4$ = >True
   b. "apple" > "pineapple" => False
   c. "2" > "12" => True
   d. undefined == null =>True
   e. undefined === null =>False
   f. null == "\n0\n" => False
   g. null === +"\n0\n" => False

3. Will alert be shown?
   a. if ("0") { alert('Hello'); } ,

      Yes, It will show alert message.

4. What is the code below going to output? alert(null || 2 || undefined);
   a. It will show 2 in alert

5. The following function returns true if the parameter age is greater than 18. Otherwise it asks for a confirmation and returns its result:

   function
   checkAge(age)
   {
   if (age> 18) { return true; }
   else {
   return confirm ('did parents allow you?');
   }
   }
   a. checkAge(19)

   ```
   function checkAge(age) {
     if (age > 18) { return true; }
     else {
       return confirm("did parents allow you?");
     }
   }
   ```
   Condition is true;
   Result: true

b. checkAge(12)

```
function checkAge(age) {
  if (age > 18) { return true; }
  else {
    return confirm("did parents allow you?");
  }
}
```

Clicked on Ok
Result: True

c. checkAge(12)

```
function checkAge(age) {
  if (age > 18) { return true; }
  else {
    return confirm("did parents allow you?");
  }
}
```

Clicked on cancel;
Result: False

6. Replace Function Expressions with arrow functions in the code below:

```
Function ask(question, yes, no)
{
if (confirm(question))yes();
else no();
}
ask(
"Do you agree?",
function() { alert("You agreed."); },

function() {
alert("You canceled the execution."); }
)
```

Arrow function :

```
const ask = (question, yes, no) => {
  if (confirm(question)) yes();
  else
    no();
}
ask("Do you agree?",
  () => { alert("You agreed."); },
  () => { alert("you canceled the execution") }
)
```