Day 1: If Else Statements

Explanation

If/else statements are conditional statements that are used to perform different actions based upon different conditions.

If/else statements

Here's a useful video on the topic:

- The *if* statement executes a block of code if the specified condition is true:

  Syntax

  ```
  if (condition) {
      //block of code
  }
  ```

- The *else* statement executes a block of code if all of the conditions are false:

  Syntax

  ```
  if (condition) {
      //block of code if condition is true
  } else {
      //block of code if none of the condition(s) is true.
  }
  ```

- The *else if* statement executes a block of code if its condition is true, and the previous conditions are false:

  Syntax

  ```
  if (condition) {
      //block of code if condition is true
  } else if (condition_2) {
      //block of code if condition is false and condition_2 is true.
  } else if (condition_3) {
      //block of code if condition is false and condition_2 is false and condition_3 is true.
  } else {
  ```

```
        //block of code if none of the condition(s) is true.
    }
```

Example

```
if (time < 12) {
    console.log("Good morning");
} else if (time < 14) {
    console.log("Good Afternoon");
} else {
    console.log("Good evening");
}
```

Task

You are given a variable `marks`. Your task is to print:

- *AA* if `marks` is greater than 90.
- *AB* if `marks` is greater than 80 and less than or equal to 90.
- *BB* if `marks` is greater than 70 and less than or equal to 80.
- *BC* if `marks` is greater than 60 and less than or equal to 70.
- *CC* if `marks` is greater than 50 and less than or equal to 60.
- *CD* if `marks` is greater than 40 and less than or equal to 50.
- *DD* if `marks` is greater than 30 and less than or equal to 40.
- *FF* if `marks` is less than or equal to 30.

Note

- Do not declare the variable `marks`. It is declared inside our code checker.

- Use `console.log` for printing statements to the console.