**Assignment – 1**

Question - 1:

|  |  |  |
| --- | --- | --- |
| **Question** | **Output** | **Reason** |
| console.log(1 + “2” + “2”); | 122 | Anything inside “” is considered a string |
| console.log(1 + +“2” + “2”); | 32 | Because 2 with + before it is casted as int |
| console.log(1 + -“1” + “2”); | 2 | As before 1 with – before it is casted as int |
| console.log(+”1”+ “1” +”2”); | 112 | All values are considered as strings |
| console.log(“A” – “B” + “2”); | NaN2 | Any operator except + on strings return NaN and string “2” is concatenated with NaN |
| console.log(“A” – “B” +2); | NaN | Any operator except + on strings return NaN and yo cannot do addition on it |

Question - 2:

var marks = value;

if ( marks > 90) {

console.log(“AA”);

} else if ( marks > 80 && marks <= 90) {

console.log(“AB”);

} else if ( marks > 70 && marks <= 80) {

console.log(“BB”);

} else if ( marks > 60 && marks <= 70) {

console.log(“BC”);

} else if ( marks > 50 && marks <= 60) {

console.log(“CC”);

} else if ( marks > 40 && marks <= 50) {

console.log(“CD”);

} else if ( marks > 30 && marks <= 40) {

console.log(“DD”);

} else if ( marks <= 30) {

console.log(“FF”);

}