MERN STACK WEEK 1 DAY 3

Task 21

Code:

```js
let no=10;
let message="hi";
let bool=true;
let name;
let e=null;
let big=35456565n;
let obj={
    name:"chan",
    age:18
}
console.log(no);
console.log(message);
console.log(bool);
console.log(name);
console.log(e);
console.log(big);
console.log(obj);
```

Output:

10	index.js:11
hi	index.js:12
true	index.js:13
undefined	index.js:14
null	index.js:15
35456565n	index.js:16
▶ {name: 'chan', age: 18}	index.js:17

Task 22:

Code:

```js
let no=10;
let message="hi";
let bool=true;
let name;
let e=null;
let big=35456565n;
let obj={
    name:"chan",
    age:18
```

```
}
console.log("The type of no : ",typeof no);
console.log("The type of message : ",typeof message);
console.log("The type of bool : ",typeof bool);
console.log("The type of name : ",typeof name);
console.log("The type of e : ",typeof e);
console.log("The type of big : ",typeof big);
console.log("The type of obj : ",typeof obj);
```

Output:

```
The type of no :   number              index.js:11
The type of message :   string         index.js:12
The type of bool :   boolean           index.js:13
The type of name :   undefined         index.js:14
The type of e :   object              index.js:15
The type of big :   bigint             index.js:16
The type of obj :   object             index.js:17
```

Task 23:

Code:

```
let a=Symbol("a")
console.log( typeof a);
```

Output:

```
symbol                                  index.js:2
```

Task 24:

Code:

```
let a=null;
console.log( typeof a);
```

Output:

```
object                                  index.js:2
```

Task 25:

Code:

Using let -->Its scope is only within the body

```
if(true){
    let a=10;
}
console.log(a);
```

Output:

❌ ▶Uncaught ReferenceError: a is   index.js:4
    not defined
        at index.js:4:13

Using var --->Its scope is we can access from anywhere

```
if(true){
    var a=10;
}
console.log(a);
```

Output:

10   index.js:6

Task 26

Code:

```
let s1="5";
let a=10;
console.log(s1*a); //Implicit Conversion
console.log(Number(s1)+a);//Explicit Conversion
```

Output:

50   index.js:3
15   index.js:4

Task 27:

Code:

```
let bool=true;
console.log(typeof(String(bool)));
let str="hi"
console.log(typeof(Boolean(str)));
```

Output:

```
string                                    index.js:2
boolean          ·                        index.js:4
```

Task 28:

Code:

```javascript
let a=5;
let b=10;
console.log(a+b);
console.log(a-b);
console.log(a*b);
console.log(a/b);
console.log(a%b);
```

Output:

```
15                                        index.js:3
-5                                        index.js:4
50                                        index.js:5
0.5                                       index.js:6
5                                         index.js:7
```

Task:29

Code:

```javascript
let a=5;
let b=a++;
console.log(b);
console.log(a);
 b=++a;
 console.log(b);
 console.log(a);
 let c=10;
 b=c--;
 console.log(b);
 console.log(c);
 b=--c;
 console.log(b);
 console.log(c);
```

Output:

5	index.js:3
6	index.js:4
7	index.js:6
7	index.js:7
10	index.js:10
9	index.js:11
8	index.js:13
8	index.js:14

Task 30:

Code:

```
console.log(5*4+6/3);
```

Output:

22	index.js:1