# 717822F123

```
TASK 1:
```

```
Code:
```

```
<script>
   alert("Hello, World!")
 </script>
```

# **Output:**

```
127.0.0.1:5500 says
Hello, World!
                                                          ОК
```

# **TASK 2:**

```
Code:
```

```
let Name="KAVI";
let RollNo=123;
let Pass=true;
let Age=null;
let Dob;
let Bigger=987654321098765432109876543210987654321n;
let user={
  name:"Kavi",
  age:20
};
let mySymbol = Symbol('id');
let obj = {
 [mySymbol]: 'valueForSymbol'
};
console.log(Name);
console.log(RollNo);
```

```
console.log(Pass);
console.log(Age);
console.log(Dob);
console.log(Bigger);
console.log(user.name);
console.log(user.age);
console.log(obj[mySymbol]);
console.log(mySymbol.toString());
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

KAVI

123
    true
    true
    null
    undefined
    98765432109876543210987654321n

Kavi
    20
    valueForSymbol
    Symbol(id)
    PS C:\code\javascript training> []
```

### **TASK 3:**

### Code:

```
let str1="Kavi";
let str2="tha";
console.log(str1+str2);
```

# **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

KAVI

123

true

PS C:\code\javascript training> []
```

#### **TASK 4:**

```
let a=10;
let b=5;
let c=0;
let d=2;
console.log(a+b);
console.log(b-d);
console.log(a*d);
console.log(b/c);
Output:
                                 TERMINAL
 PS C:\code\javascript training> node tasks.js
 20
 Infinity
 PS C:\code\javascript training> []
TASK 5:
Code:
let Name="KAVI";
let RollNo=123;
let Pass=true;
let Age=null;
let Dob;
let Bigger=987654321098765432109876543210987654321n;
let user={
  name:"Kavi",
  age:20
};
let mySymbol = Symbol('id');
let obj = {
 [mySymbol]: 'valueForSymbol'
```

```
};
console.log(typeof(Name));
console.log(typeof(RollNo));
console.log(typeof(Pass));
console.log(typeof(Age));
console.log(typeof(Dob));
console.log(typeof(Bigger));
console.log(typeof(user));
console.log(typeof(mySymbol));
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

PS C:\code\javascript training> node tasks.js

string

number

boolean

object

undefined

bigint

object

symbol

PS C:\code\javascript training> []
```

### TASK 6:

#### Code:

/\*

Multiline comments are comments that has more lines taken as an instruction to the compiler and it is skipped to be executed. Anything between (/\* and \*slash) is treated as a comment. Multi-line comments are used for detailed documentation or temporarily disabling large blocks of code.

\*/

//In single line comments everything after // on the same line is treated as a comment and ignored by the JavaScript engine.

```
PROBLEMS OUTPUT DEBUG CONSOLE <u>TERMINAL</u> PORTS

PS C:\code\javascript training> node tasks.js

PS C:\code\javascript training> [
```

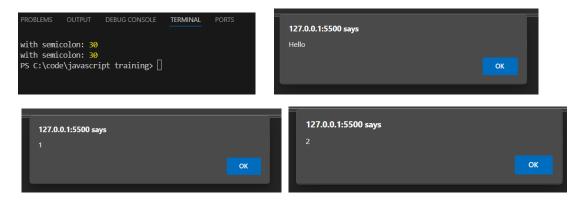
#### **TASK 7:**

In JavaScript, semicolons (;) are used to terminate statements, but the language includes an automatic semicolon insertion (ASI) feature, which allows semicolons to be omitted in many cases.

### Code:

```
let a =10;
let b=20;
let c=a+b;
console.log("with semicolon:",c);
let x =10
let y=20
let z=x+y
console.log("without semicolon:",z);
semicolon required case:
    alert("Hello");
[1,2].forEach(alert);
```

### **Output:**



#### **TASK 8:**

```
for (let i = 1; i <= 3; i++) {
  console.log(`Outer loop iteration: ${i}`);
  for (let j = 1; j <= 2; j++) {
    console.log(` Inner loop iteration: ${j}`);
}</pre>
```

```
PS C:\code\javascript training> node tasks.js
Outer loop iteration: 1
Inner loop iteration: 2
Outer loop iteration: 2
Inner loop iteration: 1
Inner loop iteration: 2
Inner loop iteration: 2
Inner loop iteration: 1
Inner loop iteration: 2
Outer loop iteration: 3
Inner loop iteration: 1
Inner loop iteration: 1
Inner loop iteration: 2
PS C:\code\javascript training>
```

#### **TASK 9:**

#### Code:

```
let x, y, z;
x = 10; y = 20; z = 30;
console.log(x, y, z);
```

### **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE <u>TERMINAL</u> PORTS

PS C:\code\javascript training> node tasks.js
10 20 30

PS C:\code\javascript training> [
```

### **TASK 10:**

Code:

# <script> within head:

</script>

```
</head>
<body>
  I have a book.
</body>
<script> within body:
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Document</title>
</head>
<body>
  I have a book.
 <script>
   console.log(document.getElementById("content"));
 </script>
</body>
Output:
□ □ · Console
                       Default levels ▼
                                    No Issues | 🔯
    I have a book.
  Live reload enabled.
                                      tasks.html:42
∑ Console
                        拼令 令 尊
Default levels ▼ No Issues (5)
                                         new.html:9
                                         new.html:41
  Live reload enabled.
```

# **TASK 11:**

#### Code:

'use strict';

x = 10;

console.log(x);

# Output

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training\ node tasks.js
C:\code\javascript training\tasks.js:115
x = 10;
^

ReferenceError: x is not defined
at Object.<anonymous> (C:\code\javascript training\tasks.js:115:3)
at Module._compile (node:internal/modules/cjs/loader:1739:14)
at Object..js (node:internal/modules/cjs/loader:1904:10)
at Module.load (node:internal/modules/cjs/loader:1473:32)
at Function._load (node:internal/modules/cjs/loader:1285:12)
at TracingChannel.traceSync (node:diagnostics_channel:322:14)
at wrapModuleLoad (node:internal/modules/cjs/loader:234:24)
```

### **TASK 12:**

#### Code:

```
x = 10;
```

console.log(x);

### **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

10

PS C:\code\javascript training> [
```

#### **TASK 13:**

#### Code:

```
'use strict';
let x = 10;
function user(x){
   console.log( delete x);
}
user(20);
```

```
PS C:\code\javascript training> node tasks.js
C:\code\javascript training\tasks.js:131
    console.log( delete x);

SyntaxError: Delete of an unqualified identifier in strict mode.
    at wrapSafe (node:internal/modules/cjs/loader:1670:18)
    at Module._compile (node:internal/modules/cjs/loader:1713:20)
    at Object..js (node:internal/modules/cjs/loader:1904:10)
    at Module.load (node:internal/modules/cjs/loader:1473:32)
    at Function._load (node:internal/modules/cjs/loader:1285:12)
    at TracingChannel.traceSync (node:diagnostics_channel:322:14)
    at wrapModuleLoad (node:internal/modules/cjs/loader:234:24)
```

#### **TASK 14:**

#### Code:

### Without using strict:

x = 10;

console.log(x);

### **Using strict:**

'use strict';

x = 10;

console.log(x);

#### **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

10

PS C:\code\javascript training> []
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training\ node tasks.js
C:\code\javascript training\tasks.js:115
x = 10;
^

ReferenceError: x is not defined
    at Object.<anonymous> (C:\code\javascript training\tasks.js:115:3)
    at Module._compile (node:internal/modules/cjs/loader:1739:14)
    at Object..js (node:internal/modules/cjs/loader:1904:10)
    at Module.load (node:internal/modules/cjs/loader:1473:32)
    at Function.load (node:internal/modules/cjs/loader:1285:12)
    at TracingChannel.traceSync (node:diagnostics_channel:322:14)
    at wrapModuleLoad (node:internal/modules/cjs/loader:234:24)
```

# **TASK 15:**

### Code:

'use strict';

let for = 10;

let while=20;

console.log(for);

```
PROBLEMS 7 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js
C:\code\javascript training\tasks.js:136
let for = 10;

^^^

SyntaxError: Unexpected strict mode reserved word
    at wrapSafe (node:internal/modules/cjs/loader:1670:18)
    at Module._compile (node:internal/modules/cjs/loader:1713:20)
    at Object..js (node:internal/modules/cjs/loader:1904:10)
    at Module.load (node:internal/modules/cjs/loader:1473:32)
    at Function._load (node:internal/modules/cjs/loader:1285:12)
    at TracingChannel.traceSync (node:diagnostics_channel:322:14)
```

#### **TASK 16:**

```
Code:
```

```
let a=10;
var b=20;
const c=30;
a=11;
```

b=21;

c = 31

console.log(a);

console.log(b);

console.log(c);

#### **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training\ node tasks.js

C:\code\javascript training\tasks.js:152

c=31

^

TypeError: Assignment to constant variable.

at Object.<anonymous> (C:\code\javascript training\tasks.js:152:2)

at Module._compile (node:internal/modules/cjs/loader:1739:14)

at Object..js (node:internal/modules/cjs/loader:1904:10)

at Module.load (node:internal/modules/cjs/loader:1473:32)

at Function._load (node:internal/modules/cjs/loader:1285:12)
```

#### **TASK 17:**

```
const x=50;
x=60;
console.log(x);
```

```
PS C:\code\javascript training> node tasks.js
C:\code\javascript training\tasks.js:160
x=60;
^
TypeError: Assignment to constant variable.
at Object.<anonymous> (C:\code\javascript training\tasks.js:160:2)
at Module._compile (node:internal/modules/cjs/loader:1739:14)
at Object..js (node:internal/modules/cjs/loader:1904:10)
at Module.load (node:internal/modules/cjs/loader:1473:32)
at Function._load (node:internal/modules/cjs/loader:1285:12)
at TracingChannel.traceSync (node:diagnostics channel:322:14)
```

#### **TASK 18:**

```
Code:
```

let m;

console.log(m);

var n;

console.log(n);

const o;

console.log(o);

#### **Output:**

```
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js
C:\code\javascript training\tasks.js:169

const o;

^

SyntaxError: Missing initializer in const declaration

at wrapSafe (node:internal/modules/cjs/loader:1670:18)

at Module._compile (node:internal/modules/cjs/loader:1713:20)

at Object..js (node:internal/modules/cjs/loader:1904:10)

at Module.load (node:internal/modules/cjs/loader:1473:32)

at Function._load (node:internal/modules/cjs/loader:1285:12)

at TassingChannel traceSyns (node:diagnostics shannel:333:14)
```

#### **TASK 19:**

```
let p="Kavi";
let q=20;
let r=true;
console.log(typeof(p));
console.log(typeof(q));
console.log(typeof(r));
```

```
TERMINAL
PS C:\code\javascript training> node tasks.js
string
number
boolean
PS C:\code\javascript training> []
```

# **TASK 20:**

### Code:

```
let x=10;
let y=10;
console.log(x);
function user(){
  let name="Kavi";
  console.log(name);
}
function user(){
  let fullname="Kavi";
  console.log(fullname);
}
user(user.name);
user(user.fullname);
```

```
PS C:\code\javascript training> node tasks.js

10

Kavi

Kavi

PS C:\code\javascript training> []
```

### **TASK 21:**

#### Code:

```
let name="Kavi";
let age=20;
let isMarried=false;
let children=null;
let address;
let greets={
  first:"vanakkam",
  last:"nandri"
};
console.log(name);
console.log(age);
console.log(isMarried);
console.log(children);
console.log(address);
console.log(greets.first);
console.log(greets.last);
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js
Kavi
20
false
null
undefined
vanakkam
nandri
PS C:\code\javascript training> []
```

```
TASK 22:
```

```
Code:
```

```
let name="Kavi";
let age=20;
let isMarried=false;
let children=null;
let address;
let greets={
    first:"vanakkam",
    last:"nandri"
};
console.log(typeof(name));
console.log(typeof(age));
console.log(typeof(isMarried));
console.log(typeof(children));
console.log(typeof(address));
console.log(typeof(greets));
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js
string
number
boolean
object
undefined
object
PS C:\code\javascript training> []
```

#### **TASK 23:**

```
const mysymbol=Symbol('description');
console.log(mysymbol);
console.log(typeof(mysymbol));
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

Symbol(description)

symbol

PS C:\code\javascript training> []
```

### **TASK 24:**

#### Code:

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

# **Output:**

```
PS C:\code\javascript training> node tasks.js
object
PS C:\code\javascript training> [
```

# **TASK 25:**

# Code:

```
let fullname="Kavi";
var surname="R";
function user(){
   let fullname="Kavitha";
   var surname="rajan";
   console.log(fullname);
   console.log(surname);
}
console.log(fullname);
user();
```

```
OUTPUT
                   DEBUG CONSOLE
                                  TERMINAL
PS C:\code\javascript training> node tasks.js
Kavi
Kavitha
rajan
PS C:\code\javascript training>
```

### **TASK 26:**

```
Code:
//explicit
let name1="Kavi";
let name2="123";
let namenum11=Number(name1);
console.log(typeof(namenum11));
console.log(namenum11);
let namenum21=Number.parseInt(name1);
console.log(typeof(namenum21));
console.log(namenum21);
//implicit
let namenum31=name1*1;
console.log(typeof(namenum31));
console.log(namenum31);
let namenum12=Number(name2);
console.log(typeof(namenum12));
console.log(namenum12);
let namenum22=Number.parseInt(name2);
console.log(typeof(namenum22));
console.log(namenum22);
//implicit
let namenum32=name2*1;
```

```
console.log(typeof(namenum32));
console.log(namenum32);
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js
number
NaN
number
NaN
number
NaN
number
123
number
123
number
123
PS C:\code\javascript training> []
```

### **TASK 27:**

### Code:

```
let name="Kavi";
let isMarried=false;
let namebool=Boolean(name);
let isMarriedstr=String(isMarried);
console.log(typeof(namebool));
console.log(namebool);
console.log(typeof(isMarriedstr));
console.log(isMarriedstr);
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js boolean true string false
PS C:\code\javascript training> []
```

```
TASK 28:
Code:
let x=10;
let y=20;
let z=x+y;
let a=y-x;
let b=x*2;
let c=y/a;
console.log(z);
console.log(a);
console.log(b);
console.log(c);
Output:
                                   TERMINAL
 PS C:\code\javascript training> node tasks.js
 30
10
 20
 PS C:\code\javascript training> []
TASK 29:
Code:
let k=5;
console.log(k++);
console.log(k--);
console.log(++k);
console.log(--k);
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

6

6

5

PS C:\code\javascript training> []
```

### **TASK 30:**

### Code:

```
let result1=10*5-4+6/2;
console.log(result1);
let result2=(10*5)-(4+6)/2;
console.log(result2);
```

### **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

49

45

PS C:\code\javascript training> []
```

### **TASK 31:**

#### Code:

```
let p=5;
let q=10;
let r=5;
if(p<=r){
    console.log("True");
}</pre>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

True

PS C:\code\javascript training> []
```

```
TASK 32:
```

```
Code:
```

```
let a=10;
let b="Ten";
let c=null;
let d=20;
let e=0;
if( e===c || a===e || a==b || a==d){
    console.log("True");
}
else{
    console.log("False");
}
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

False

PS C:\code\javascript training> [
```

### **TASK 33:**

# Code:

```
let a="apple";
let b="banana";
let c="amla";
console.log(a<b);
console.log(c<a);
console.log(a===c);
console.log("cat"<"cub");</pre>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js
true
true
false
true
PS C:\code\javascript training> [
```

### **TASK 34:**

```
Code:
```

```
let a="apple";
let b="banana";
let c="apple";
console.log(a!=b);
console.log(c!==a);
console.log("cat"!=="cub");
```

# **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js
true
false
true
PS C:\code\javascript training> []
```

### **TASK 35:**

#### Code:

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

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

true

false

PS C:\code\javascript training> []
```

### **TASK 36:**

```
Code:
```

```
let a=11;
if(a%2==0){
    console.log("Even");
}
else if(a%2==1){
    console.log("Odd");
}
else{
    console.log("Neither");
}
```

# **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js
Odd

PS C:\code\javascript training> []
```

### **TASK 37:**

```
let a=123;
if(a>0){
   console.log("Positive");
}
else if(a<0){
   console.log("Negative");</pre>
```

```
}
else if(a==0){
   console.log("Zero");
}
else{
   console.log("Neither");
}
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

Positive

PS C:\code\javascript training> []
```

### **TASK 38:**

### Code:

let age=17;

console.log((age>18)?"You are eligible to vote":"You are not eligible to vote");

# **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

You are not eligible to vote

PS C:\code\javascript training> []
```

# **TASK 39:**

```
let marks=90;
let percentage=(marks/100)*100;
let result=(percentage>70)?"pass":"fail";
if(result=="pass"){
    console.log("valid");
}else if(result=="fail"){
```

```
console.log("invalid");
}else{
  console.log("Neither");
}
```

```
PROBLEMS OUTPUT DEBUG CONSOLE <u>TERMINAL</u> PORTS

PS C:\code\javascript training> node tasks.js
valid

PS C:\code\javascript training> []
```

# **TASK 40:**

#### Code:

```
let a="Muruga";
if((typeof(a)=="string")?atype="String":atype="Neither");
console.log(atype);
```

# **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

String

PS C:\code\javascript training> []
```

### **TASK 41:**

```
let a = 10;
let b = 20;
let c=a+b;
if(a>b | | a==b && a!=0){
    console.log(a);
}else if(!(c<a) && c%2==0 ){
    console.log(c);
}</pre>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

30

PS C:\code\javascript training> []
```

#### **TASK 42:**

#### Code:

```
let a=20;
if(!(a<0) && !(a>50)){
  console.log("a is within the range of 0 to 50.");
}
```

### **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

a is within the range of 0 to 50.

PS C:\code\javascript training> [
```

#### **TASK 43:**

### Code:

```
let d=false;
if(!d==true){
  console.log("Boolean inverted.");
}
```

### **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

Boolean inverted.

PS C:\code\javascript training> []
```

#### **TASK 44:**

# Code:

let isready=false;

```
console.log(isready && "AND");
console.log(isready || "OR");
console.log(!isready && "NOT");
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js
false
OR
NOT
PS C:\code\javascript training> []
```

#### **TASK 45:**

### Code:

```
let isready=10;
console.log(isready && "YES");
console.log(isready || "YES");
console.log(!isready && "Yes");
```

### **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

YES

10

false
PS C:\code\javascript training> []
```

# **TASK 46:**

### Code:

```
function add(a, b){
  let c=a+b;
  console.log(c);
}add(5,6);
add(10,15);
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

11

25

PS C:\code\javascript training> []
```

### **TASK 47:**

#### Code:

```
function area(I, b){
  let a=I*b;
  console.log(a);
}
area(5,6);
area(10,15);
```

# **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js
30
150
PS C:\code\javascript training> []
```

### **TASK 48:**

### Code:

```
function greets(){
  console.log("Hello");
}
greets();
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

Hello

PS C:\code\javascript training> []
```

```
TASK 49:
Code:
function nothing(){
}
```

nothing();

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

PS C:\code\javascript training> [
```

#### **TASK 50:**

#### Code:

```
function greets(name="Kavi",greetings="Hey"){
  console.log(`${greetings},${name}!`);
}
greets();
greets("Thilak");
greets("Theju","Hii");
greets(undefined,"Hello");
greets("","Hurry");
```

### **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

Hey,Kavi!

Hey,Thilak!

Hii,Theju!

Hello,Kavi!

Hurry,!

PS C:\code\javascript training> []
```

# **TASK 51:**

# Code:

let greet=(name)=>console.log(`Hello,\${name}!`);

```
greet('Kavi');
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

Hello,Kavi!

PS C:\code\javascript training> []
```

#### **TASK 52:**

#### Code:

```
let add=(a,b)=>console.log(a+b);
add(2,3);
add(10,15);
```

### **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

5

25

PS C:\code\javascript training> []
```

# **TASK 53:**

```
let isEven=(num)=>{
    if(num%2==0){
        console.log("Even");
    }else if(num%2==1){
        console.log("Odd");
    }else{
        console.log("Invalid");
    }
}
isEven(20);
isEven(3);
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

Even
Odd

PS C:\code\javascript training> []
```

#### **TASK 54:**

### Code:

```
let maxValue=(a,b)=>{
    if(a>b){
        return(a);
    }else if(b>a){
        return(b);
    }
}
console.log(maxValue(5,10));
console.log(maxValue(123,121));
```

# **Output:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

10

123

PS C:\code\javascript training> []
```

#### **TASK 55:**

```
const myObject = {
  value:10,
  multiplyTraditonal(n){
  console.log(this);
  return this.value *n;
},
```

```
multiplyArrow: (n)=>{
  console.log(this);
  return this.value*n;
}

};

console.log(myObject.multiplyTraditonal(8));

console.log(myObject.multiplyArrow(11));
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\code\javascript training> node tasks.js

{
   value: 10,
   multiplyTraditonal: [Function: multiplyTraditonal],
   multiplyArrow: [Function: multiplyArrow]
}

80

{}
NaN
PS C:\code\javascript training> []
```