#Questions

1. How would you define a function that takes two numbers as parameters and returns their sum?

function sum(a,b){

return a + b;

}

console.log(sum(12,14))

1. write a function that takes two numbers as parameters and returns their difference.

function difference(a,b){

return a - b;

}

console.log(difference(14,12))

1. Define a function that accepts a name and age as parameters, and returns a string with a greeting like “Hello, [name]! You are [age] years old.”

function My\_Self(name,age){

return "Hello,"+name+"! you are"+age+"years old"

}

console.log(My\_Self("saikrishna",24))

1. Write a function that takes a number as a parameter and returns true if the number is a even number, otherwise false.

function even(){

var number=prompt("Enter your number :")

if ( number%2==0){

return true

}

else{

return false

}

}

console.log(even())

#MCQS

**1.**

function add(a, b) {  
 return a + b;  
}  
console.log(add(2, 3));

**What will be the output?**

1. 5
2. Undefined
3. Error
4. Nothing

**2.**

function multiply(a, b) {  
 return a \* b;  
}  
let result = multiply(4, 5);  
console.log(result);

**What will be the output?**

1. 20
2. 9
3. Undefined
4. Error

**3.**

function greet() {  
 return "Hello!";  
}  
console.log(greet());

**What will be the output?**

1. Hello!
2. Undefined
3. Error
4. Nothing

**4.**

function subtract(a, b) {  
 return a - b;  
}  
let difference = subtract(10, 3);  
console.log(difference);

**What will be the output?**

1. 7
2. -7
3. Undefined
4. Error

**5.**

function square(a) {  
 return a \* a;  
}  
console.log(square(5));

**What will be the output?**

1. 25
2. 5
3. Undefined
4. Error

**6.**

function divide(a, b) {  
 return a / b;  
}  
let division = divide(10, 2);  
console.log(division);

**What will be the output?**

1. 5
2. 10
3. Undefined
4. Error

**7.**

function getValue() {  
 return 42;  
}  
console.log(getValue());

**What will be the output?**

1. 42
2. Undefined
3. Error
4. Nothing

**8.**

function concatStrings(a, b) {  
 return a + " " + b;  
}  
console.log(concatStrings("Hello", "World"));

**What will be the output?**

1. Hello World
2. HelloWorld
3. Undefined
4. Error

**9.**

function compute(a) {  
 return a \* 2;  
}  
let result = compute(3);  
console.log(result);

**What will be the output?**

1. 6
2. 3
3. Undefined
4. Error

**10.**

function sum(a, b = 5) {  
 return a + b;  
}  
console.log(sum(10));

**What will be the output?**

1. 15
2. 10
3. Undefined
4. Error

**11.**

function funOne(a) {  
 return a + 1;  
}  
function funTwo(b) {  
 return funOne(b) \* 2;  
}  
console.log(funTwo(3));

**What will be the output?**

1. 8
2. 6
3. 10
4. Error

**12.**

function double(a) {  
 return a \* 2;  
}  
function triple(a) {  
 return a \* 3;  
}  
console.log(double(triple(2)));

**What will be the output?**

1. 12
2. 8
3. 6
4. Error

**13.**

function outer(a) {  
 function inner(b) {  
 return b \* b;  
 }  
 return inner(a) + a;  
}  
console.log(outer(3));

**What will be the output?**

1. 12
2. 6
3. 9
4. Error

**14.**

function square(x) {  
 return x \* x;  
}  
function addFive(y) {  
 return square(y) + 5;  
}  
console.log(addFive(4));

**What will be the output?**

1. 21
2. 25
3. 16
4. Error

**15.**

function funOne(a, b) {  
 return a + b;  
}  
function funTwo(a, b) {  
 return funOne(a \* b, b);  
}  
console.log(funTwo(2, 3));

**What will be the output?**

1. 9
2. 8
3. 6
4. Error

**16.**

function calculate(a, b) {  
 return a + b;  
}  
function main(a, b, c) {  
 return calculate(a, b) \* c;  
}  
console.log(main(2, 3, 4));

**What will be the output?**

1. 20
2. 14
3. 10
4. Error

**17.**

function nested(a) {  
 function inner(b) {  
 return a + b;  
 }  
 return inner(a \* 2);  
}  
console.log(nested(3));

**What will be the output?**

1. 9
2. 6
3. 12
4. Error

**18.**

function getSquare(x) {  
 return x \* x;  
}  
function compute(x) {  
 return getSquare(x) + x;  
}  
console.log(compute(5));

**What will be the output?**

1. 30
2. 25
3. 10
4. Error

**19.**

function funOne(a) {  
 return a + 3;  
}  
function funTwo(a) {  
 return funOne(a) \* 2;  
}  
console.log(funTwo(4));

**What will be the output?**

1. 14
2. 16
3. 11
4. Error

**20.**

function compute(a, b) {  
 function add() {  
 return a + b;  
 }  
 return add() \* 2;  
}  
console.log(compute(2, 3));

**What will be the output?**

1. 10
2. 12
3. 8
4. Error

**21.**

function outer(a, b) {  
 function inner(x) {  
 return x \* b;  
 }  
 return inner(a + b);  
}  
console.log(outer(2, 3));

**What will be the output?**

1. 15
2. 10
3. 6
4. Error

**22.**

function compute(a, b, c) {  
 return (a + b) \* c;  
}  
console.log(compute(2, 3, 4));

**What will be the output?**

1. 20
2. 14
3. 12
4. Error

**23.**

function chain(a) {  
 function addFive(b) {  
 return b + 5;  
 }  
 return addFive(a) \* 2;  
}  
console.log(chain(5));

**What will be the output?**

1. 20
2. 15
3. 25
4. Error

**24.**

function outer(a) {  
 function inner(b) {  
 return b + a;  
 }  
 return inner(a \* 2);  
}  
console.log(outer(4));

**What will be the output?**

1. 12
2. 8
3. 16
4. Error

**25.**

function sum(a, b) {  
 return a + b;  
}  
function multiply(a, b) {  
 return sum(a, b) \* b;  
}  
console.log(multiply(2, 3));

**What will be the output?**

1. 15
2. 12
3. 9
4. Error

**26.**

function taskOne(a) {  
 function taskTwo(b) {  
 return b \* 2;  
 }  
 return taskTwo(a) + 3;  
}  
console.log(taskOne(4));

**What will be the output?**

1. 11
2. 8
3. 10
4. Error

**27.**

function calculate(a) {  
 function double(b) {  
 return b \* 2;  
 }  
 return double(a) + double(a + 1);  
}  
console.log(calculate(2));

**What will be the output?**

1. 10
2. 12
3. 14
4. Error

**28.**

function funOne(a) {  
 return a + 1;  
}  
function funTwo(a) {  
 return funOne(a) \* 2;  
}  
function funThree(a) {  
 return funTwo(a) - 3;  
}  
console.log(funThree(3));

**What will be the output?**

1. 11
2. 8
3. 10
4. Error
5. 5

**29.**

function fun(a) {  
 function nested(b) {  
 return b \* b;  
 }  
 return nested(a) + nested(a + 1);  
}  
console.log(fun(2));

**What will be the output?**

1. 13
2. 17
3. 10
4. Error

**30.**

function main(a) {  
 function helper(b) {  
 return b \* 3;  
 }  
 function secondary(c) {  
 return helper(c) + 4;  
 }  
 return secondary(a) \* 2;  
}  
console.log(main(2));

**What will be the output?**

1. 26
2. 24
3. 28
4. Error
5. 20