

#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(10,20))
```

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

```
function sub(a, b){  
    return a - b  
}  
console.log(sub(10,20))
```

3. 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 greet(name, age){  
    return "Hello,"+name+"! You are"+age+"years old"  
}  
console.log(greet("Naresh",25))
```

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

```
function even(a) {  
    if (a % 2 === 0){  
        return"even"  
    }else{  
        return"odd"  
    }  
}  
  
console.log(even(3))
```

#MCQS

1.

```
function add(a, b) {  
    return a + b;  
}
```

`console.log(add(2, 3));` What will be the output?

- A) 5
 - B) Undefined
 - C) Error
 - D) Nothing
-

2.

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

What will be the output?

- A) 20
 - B) 9
 - C) Undefined
 - D) Error
-

3.

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

What will be the output?

- A) Hello!
- B) Undefined
- C) Error

D) Nothing

4.

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

What will be the output?

A) 7

B) -7

C) Undefined

D) Error

5.

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

What will be the output?

A) 25

B) 5

C) Undefined

D) Error

6.

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

What will be the output?

A) 5

B) 10

C) Undefined

D) Error

7.

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

What will be the output?

A) 42

B) Undefined

C) Error

D) Nothing

8.

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

 What

will be the output?

A) Hello World

B) HelloWorld

C) Undefined

D) Error

9.

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

What will be the output?

A) 6

B) 3

C) Undefined

D) Error

10.

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

What will be the output?

A) 15

B) 10

C) Undefined

D) Error

11.

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

What will be the output?

A) 8

B) 6

C) 10

D) Error

12.

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

 What

will be the output?

A) 12

B) 8

C) 6

D) Error

13.

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

What will be the output?

A) 12

B) 6

C) 9

D) Error

14.

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

What will be the output?

A) 21

B) 25

C) 16

D) 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?

A) 9

B) 8

C) 6

D) 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?

A) 20

B) 14

C) 10

D) Error

17.

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

What will be the output?

A) 9

B) 6

C) 12

D) Error

18.

```
function getSquare(x) {  
  return x * x;  
}
```



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

What will be the output?

A) 30

B) 25

C) 10

D) Error

19.

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

What

will be the output?

A) 14

B) 16

C) 11

D) Error

20.

```
function compute(a, b) {  
    function add() {  
        return a + b;  
    }  
    return add() * 2;  
}
```

```
console.log(compute(2, 3));
```

What will be the output?

A) 10

B) 12

C) 8

D) 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?

A) 15

B) 10

C) 6

D) Error

22.

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

What will be the output?

A) 20

B) 14

C) 12

D) Error

23.

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

What will be the output?

A) 20

B) 15

C) 25

D) Error

24.

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

What will be the output?

A) 12

B) 8

C) 16

D) 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?

A) 15

B) 12

C) 9

D) Error

26.

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

What will be the output?

A) 11

B) 8

C) 10

D) 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?

A) 10

B) 12

C) 14

D) 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?

A) 11

B) 8

C) 10

D)Error

Ans:-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?

A) 13

B) 17

C) 10

D) 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?

A) 26

B) 24

C) 28

D)Error

Ans : 20