**Day-19 Evening Assessment**

**Variables**

1.let age = 25;  
console.log(age);  
  
2.let username = "Amitha";  
console.log("Hello, " + username);  
  
3.let isActive = true;  
console.log(typeof isActive);  
  
4.let x = 10, y = 20;  
console.log(x + y);  
  
5.let colors = ["Red", "Green", "Blue"];  
console.log(colors[1]);  
  
6.const PI = 3.14;  
  
**Functions**

7.function greet(name) {  
 return "Hello, " + name;  
}  
  
8.function addNumbers(a, b) {  
 return a + b;  
}  
  
9.function isEven(num) {  
 return num % 2 === 0;  
}  
  
10.function multiply(a, b = 5) {  
 return a \* b;  
}  
  
11.const square = num => num \* num;  
  
12.function printDetails(name, age) {  
 console.log(`Name: ${name}, Age: ${age}`);  
}  
  
**Classes**  
13 & 14.class Person {  
 constructor(name, age) {  
   this.name = name;  
   this.age = age;  
 }  
 introduce() {  
   console.log(`Hi, I'm ${this.name} and I'm ${this.age} years old.`);  
 }  
}  
  
15.class Car {  
 constructor(brand, year) {  
   this.brand = brand;  
   this.year = year;  
 }  
 displayInfo() {  
   console.log(`Car: ${this.brand}, Year: ${this.year}`);  
 }  
}  
  
16.class Rectangle {  
 constructor(width, height) {  
   this.width = width;  
   this.height = height;  
 }  
 getArea() {  
   return this.width \* this.height;  
 }  
}  
  
17.class Student {  
 constructor(name, grade) {  
   this.name = name;  
   this.grade = grade;  
 }  
 displayGrade() {  
   console.log(`Student ${this.name} has grade ${this.grade}`);  
 }  
}  
  
 18.class BankAccount {  
 constructor(accountNumber, balance) {  
   this.accountNumber = accountNumber;  
   this.balance = balance;  
 }  
 deposit(amount) {  
   this.balance += amount;  
   console.log(`New Balance: ${this.balance}`);  
 }  
}