# Day-8 Task

## 1.Qst

## Code:

```javascript
class Movie {
    constructor(title, studio, rating) {
        this.title = title;
        this.studio = studio;
        this.rating = rating;
    }
}

var movie = new Movie("Casino Royale", "Eon Productions",  "PG13");
console.log(movie);
```

## Output:

```
Movie {
  title: 'Casino Royale',
  studio: 'Eon Productions',
  rating: 'PG13'
}

[Done] exited with code=0 in 6.184 seconds
```

## 2.Qst

## Code:

```javascript
var Circle = /** @class */ (function () {
    function Circle(radius, color) {
        this.radius = 1.0;
        this.color = "Red";
        if (typeof (radius) !== "undefined") {
            this.radius = radius;
        }
        if (typeof (color) !== "undefined") {
            this.color = color;
        }
    }
    Circle.prototype.getRadius = function () {
        return this.radius;
    };
    Circle.prototype.setRadius = function (radius) {
        this.radius = radius;
    };
    Circle.prototype.getColor = function () {
        return this.color;
    };
    Circle.prototype.setColor = function (color) {
        this.color = color;
    };
    Circle.prototype.toString = function () {
        return "Radius: " + this.radius + " Color: " + this.color;
    };
    Circle.prototype.getArea = function () {
        return (2 * (Math.PI) * this.radius);
    };
    Circle.prototype.getCircumference = function () {
        return (2 * this.radius);
    };
    return Circle;
}());
var c1 = new Circle();
console.log("Constructor with no params: " + c1.toString());
var c2 = new Circle(3.5);
console.log("Constructor with one param: " + c2.toString());
var c3 = new Circle(2.2, 'Yellow');
console.log("getRadius: " + c3.getRadius());
```

```
c3.setRadius(3.3);
console.log("Radius value after setRadius: " + c3.getRadius());
console.log("getColor: " + c3.getColor());
c3.setColor("Blue");
console.log("Color Value after setColor: " + c3.getColor());
console.log(c3.toString());
console.log("Area: " + c3.getArea());
console.log("Circumference: " + c3.getCircumference());
```

## Output:

```
Constructor with no params: Radius: 1 Color: Red
Constructor with one param: Radius: 3.5 Color: Red
getRadius: 2.2
Radius value after setRadius: 3.3
getColor: Yellow
Color Value after setColor: Blue
Radius: 3.3 Color: Blue
Area: 20.734511513692635
Circumference: 6.6

[Done] exited with code=0 in 0.447 seconds
```

## 3.Qst

## Code:

```
class Person {
    constructor(name, surname, age, profession, email, address) {
        this.name = name;
        this.surname = surname;
        this.age = age;
        this.profession = profession;
        this.email = email;
        this.address = address;
    }
}

    var person1 = new Person("Akhila", "Vasa", 21, "Student", "akhila.vasa777@gma
il.com", "Andhra Pradesh");
    console.log(person1);
```

## Output:

```
Person {
  name: 'Akhila',
  surname: 'Vasa',
  age: 21,
  profession: 'Student',
  email: 'akhila.vasa777@gmail.com',
  address: 'Andhra Pradesh'
}

[Done] exited with code=0 in 0.314 seconds
```